RAILWAY OMMERCIAL GAZETTE

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

No. 1154 - Vol. XXVII.

LONDON, SATURDAY, OCTOBER 3, 1857.

STANPED ... SIXPENCE. UNSTANPED . FIVEPENCE.

M. R. JAMES CROFTS, MINING AND SHAREBROKER, No. 1, FINGH LANE, LONDON (established it years), TRANSACTS every kind of BUSINESS in MINING SHARES, but, not being a DRALER, BUYS and SELLS only on orders confided to him.

Mr. Chargys calls special attention to Catherene and Jame Consola, lead and iron, Morioneth, North Wales, which it is estimated will be in the Dividend Late early next year. For sales of lead ore monthly, see the reports from Holywell. The iron lode is being developed, and the ore shipped to market with all possible expedition.

Mr. CROFTS also very strenageally recommends Valle or Town Minz, lead, now paying dividends.

Mr. CROFTS believes that Br. DAY USFERD, under present management, will considerably advance in value.

Mr. CROFTS considers the following shares also worth immediate attention at the present prices:—

Peadeen Consols.

Providence Mines.

Providence Mines.

Wheal Edward.

Alfred Consols.

Wheal Arthur.

Kelly Bray.

Mr. Chorres considers the following shares also worth immediate attention at the reseast prices:

Peadican Consols.

Providence Mines.

Providence Mines.

Providence Mines.

Providence Mines.

Providence Mines.

Par Consols.

Wheal Arthur.

Great Wheal Alfred.

Wheal Margaret.

Wheal Margaret.

Wheal Margaret.

CATHERINE AND JANE CONSOLS.—Mr. CROPTS has special mod important beainess to transact in the NEW SHARES of these promising MINES. Copies of expert of meeting (20th September) to 8s had of Mr. Chorrs, on application.

M. R. JAMES LANE. MINING SHARE DEALER

JAMES LANE, MINING SHARE DEALER,
p. THREADNEEDLE STREET, LONDON, has BUSINESS in—
p. Gottridge Consols.
py. Calstock Consols.
Lady Bertha. Catherine and Jane.
Wheat Arthur.
Wheat Arthur.
Wheat Wrey. 2

B. B. R. E. N. C. H. L. E. DEALER IN MINING SHARES.

11. ROYAL EXCHANGE, LONDON, E.C. ansacted at nett prices, and for immediate cash.

R. PRTER WATSON has RETURNED to TOWN, having for the past three weeks been INSPECTING several MINES in CORNWALL BENDEY, and will afford every information on written or personal application.

Bankers: Union Rank of London.

Bankers: Union Rank of London.

Stression.—On the Purchase or Sale of Mining Shares, 14 per cent.; on the lase or Sale of Comacis, Railway, Bank, Insurance Shares, dec., the usual Stock

ge commission.
PETER WATSON, English and Foreign Stock, Share, and Mining Offices,
57, Threadneedle-street, London, E.C.
Office Hours Ten to Five, and Ten to Two on Saturday.

M INE SHARES FOR SALE, some of which are paying 20 per cent., and in all probability will continue to do so for years. Also, a great many very good PROGRESSIVE SHARES, lower than any for the past ten years. The present depressed state of the market-offers to gentlemen a most excellent operating by the state of the market-offers to gentlemen a most excellent operating type of the market-offers to gentlemen a most excellent operating type of the market-offers to gentlemen a most excellent operating type of the market-offers to gentlemen a most excellent operating type of the market-offers to gentlemen a most excellent operating the market-offers to gentlemen a most excellent operation.

TO CAPITALISTS.—RELIABLE INFORMATION may be obtained on application to the undersigned, in respect of MISCELLANEOUS SECURITIES generally. BANKS, INSURANCE SHARES, LAND COMPANIES, MINES (British and Foreign), RAILWAYS, FOREIGN STOCKS, and the PUBLIC FUNDS BOTGHT and SOLD at the closest market brices, and at moderate commission. References given and required. JOHN BATTERS, Stock and Sharebroker. 26, Throgmorton-street, London, E.C.

F. E. BLYTH, MINING SHAREBROKER, No. 1, ST. MICHAEL'S ALLEY, CORNHILL, is commissioned to SELL SHARES in the DIVIDEND and PROGRESSIVE MINES. As Mr. BLYTH confines himsely to commission business, the timost reliance can be placed that all businessed to him will meet with prompt attention and regularity.

JAMES H. COCK, MINE SHAREBROKER, GENERAL COMMISSION AGENT, AND ACCOUNTANT, REDRITH, CORNWALL, Orders for the PURCHASE and SALE of MINE SHARES, MINING MATE, RIALS, &c., promptly attended to.

MR. W. LEMON OLIVER, STOCK AND SHAREBROKER. SUSINESS TRANSACTED in HOME and FOREIGN RAILWAYS, FUNDS, CURITIES, BRITISH and FOREIGN MINES, &c.

CAPT. THOMAS DUNN, of TAVISTOCK, undertakes to INSPECT, REPORT, and SURVEY any MINES or MINERAL PROPERTY in ENGLAND, IRELAND, SCOTLAND, or WALES. No objection to take the management of any mine or mines in the neighbourhood of Tavistock.

JOHN GLEDHILL AND CO., MINE AGENTS, SHARE BROKERS, AND GENERAL DEALERS.

MINING RECORDS OFFICE, 7, SOUTH PARADE, LEEDS.

Mises well selected are the best investioning paying from 15 to 30 per cent. on the putlay. They have to OFFER SHARES in most of the DIVIDEND and PROGRESSIVE MINES, and are ready to give every information relative to all mining matters.—Dated Oct. 2, 1857.

MR. F. LISABÉ, C.E., CONSULTING MINING ENGINEER, OFFICE, 2, DAME STREET, DUBLIN.

MF. LEBARE, may be CONSULTED personally, or by letter. His long experience in Ireland will be found useful to capitalists desirous of investing money in mining and other spaculations in that country.

R. R. LINTHORNE, ENGLISH AND FOREIGN MINING AGENT, 3, ADAM'S COURT, OLD BROAD STREET, LONDON. OSINESS TRANSACTED in all ENGLISH and FOREIGN MINES, and other URITIES, on the usual terms of commission. Information afforded in respectividend-paying and Progressive Mines.

MR. FRANCIS R. BILL, CONTRACTOR, AND GENERAL ACCOUNTANT AND AUDITOR.

32, BUCKLERSBURY, LONDON, E.C.

CONTRACTOR for the SUPPLY OF RAIL WAY MATERIALS of every description. Estimates prepared. Agencies undertaken. ACCOUNTANTSHIP BUSINESS of all kinds performed under contract, whereby a considerable saving on the usual cost may be effected.

NR. HRNRY GOULD SHARP will be happy to receive BUYING and SELLING ORDERS in every description of MINING, BANK, RAIL-AT, INSURANCE, and OTHER SHARES. All town and country communications will be punctually attended to; and every information afforded to particle have spare sapital to invest, as as those mines likely to prove most resumerative. Mr. H. G. Shaap recommend in the likely flavy bedford Consols Cholicotte Rassis Kelly Bray Bedford Consols United States of Consols House of Consols Gholicotte Rassis Have many consols and the Consols Have many consols of the Cons

B. E. GOMPERS IS A

Distance of Cornwall, 21.

Society of Cornwall, 21 BUYER OF—
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100 Bast Russell.

Box ware Unit., 222.

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Lady Rerths, 222.

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IO Devon and Later, 52.

Junious and comprehensive knowledge of the subject. Capitalists unacquainted in Expressive Intervention and the marine should act under the direction in Expressive Intervention and Intervention of the publis in effecting FURCHABES and SALES of MINING, RAILWAY, NKLWG, CANAL, INSURANCE, and any other description of stock, &c.

Odeswiption of property affords such large profits with security from undue liaity and emplicity in transacting business, as British mines, when they are judicity selected and honestly conducted. The large profits made, the export of mining cless, the combinations constantly forming for the development of mineral wealth, above the legitimacy and the growing importance of British mining.

W. STOCK WELL is instructed to TRANSACT BUSINESS in the leading Diany MINES, which are yielding on the average 25 per cent, per annum on premaring MINES, which are yielding on the average 25 per cent, per annum on premaring MINES, which are yielding on the average 25 per cent, per annum on premaring MINES, which are yielding on the average 25 per cent, per annum on premaring MINES, which are yielding on the average 25 per cent, per annum on premaring MINES, which are yielding on the average 25 per cent, per annum on premaring MINES, which are yielding on the average 25 per cent, per annum on premaring MINES, which are yielding on the average 25 per cent, per annum on premaring mining m

GEORGE MOORE, DEALER IN MINING SHARES, In any business that George Moore is favoured with, in which he is the buyer, he will give Cash On Receipt Of Transfer, and will allow any purchaser of undoubted respectability to have shares registered, and receive certificates of some, previous to payment.

MESSES, J. J. REYNOLDS AND SON, STOCK, RAILWAY, AND MINING SHARESROKERS, No. 1, BOYAL and FOREIGN MINES, STOCKS, and RAILWAY SHARES, on the usual commission. The Stock Exchange List of Prices transmitted by post, with special remarks, dictated by the circumstances of the day, for the information of correspondents.

Messrs, J. J. Raynones and Sow would direct attention to the undermentioned mining properties, as being well worthy of notice, more particularly to West Seton, Theorefs, North Levant, South Frances, North Prances, and the United Mines, for the investment of capital; and, on account of the exceedingly low prices of the shares, to North Corfet, Cambrian South Prances, and the United Mines, for the investment of capital; and, on account of the exceedingly low prices of the shares, to North Corfet, Cambrian South Prances, and the United Mines, for the investment of capital; and, on account of the exceedingly low prices of the shares, to North Corfet, Cambrian South Prances, and the United Mines, for the investment of capital; and, on account of the exceedingly low prices of the shares, to North Corfet, Cambrian South Prances, and the United Mines, for the investment of capital; and, on account of the exceedingly low prices of the shares, to North Corfet, Cambrian South Prances, and the United Mines, for the investment of capital; and, on account of the exceedingly low prices of the shares, to North Corfet, Cambrian South Prances, and the United Mines, for the investment of capital; and, on account of the exceedingly low prices of the shares, to North Events. E S R S. J. J. R E Y N O L D S A N D S O N. STOCK, RAILWAY, AND MINING SHABEBROKERS, No. 1, ROYAL EXCHANGE BUILDINGS, LONDON, E.C., TRANSACT BUSINESS in BRITISH and FOREIGN MINES, STOCKS, and RAILWAY SHARES, on the usual commission. The Stock Exchange List of Frices transmitted by post, with special remarks, dictated by the circumstances of the day, for the information of correspondents. Mesers, J. J. Raynolds and Sox would direct attention to the undermentioned mining properties, as being well worthy of motice, more particularly to West Seton, Timeroft, North Levant, South Frances, North Frances, and the United Mines, for the investment of capital; and, on account of the exceedingly low prices of the shares, to North Crofty, Camborne Vean, and East Rosewarne, for speculators.

DIVIDEND-PAYING MINES.

; and, on account of the special content of t Alfred Consols. Botallack. Carn Brea. Condurrow. Derwent Mines. Dolooath. PROGRESSIVE MINES.
North Levent.
North Wheel Crofty.
Penstruthel. Vale of Towy. West Crinnis. West Cupid. West Stray Park. Wheal Hender. Wheal Unity. outh Conductor South Conductow. Trevoole. Tyne Head (Cumberl).

BSSRS. POWELL AND COOKE, s, HERCULES CHAMBERS, OLD BROAD STREET, LONDON.
Messers. Powell and Cooke TRANSACT BUSINESS, at nest prices, or on commission, at the option of their friends, in silv sell senducted DVIDEND and PROGRESSIVE MINES, and are prepared to DEAL in the SHARES of the following MINES at market prices:—Sortridge Console, Vale of Towy, Hingston Down, Great Wh. Alfred, Forkellis United, Lady Bertha, Gawton United, Catherine and Jane, Wh. Edward, Kelly Bray, and other well managed Dividend and good Progressive Miss.

Wh. Aifred, Forkells United, Lady Bertha, Gawton United, Catherine and Jane, Wh. Edward, Kelly Bray, and other well managed Dividend and good Progressive Mines.

JAMES HERRON has FOR SALE the following SHARES, at the prices quoted, and FREE OF COMMISSION:—

1 Brynaii.

1 Botalisck.

20 Cather, and Jane, As. 22.

1 Rocater, and Jane, As. 22.

20 Cather, and Jane, As. 22.

20 Cather, and Jane, As. 23.

20 Cather, and Jane, As. 24.

3 Hingston Bewn.

3 Herodefoct, \$718.

30 College Mines, 42.

31 Edward, As. 25.

32 East Tyre Castell, 8.

32 Onther Progressive Mines, 22.

4 North Basset.

3 East Builer, 374.

30 Penn. 24.

31 East Busset, 374.

32 Penn. 24.

33 Penn. 25.

34 Wast Basset, \$25.

35 East Tyrefusis, \$37.

36 East Wh. Rose, \$57.

30 Penn. 25.

30 Penn. 25.

31 Wast Basset, \$25.

32 Wast Basset, \$25.

33 West Basset, \$25.

34 Wast Basset, \$25.

35 Wast Always recommende the following Dividend Mines, which will pay 20 percent. upon the average:—Wheal Margaret, Mary Ann, Trefawny, Vale of Towy, Drake Walls, South Caradon, West Cardon, Par Consols, Herodefoot, Kitty (Leisn). And the following Progressive Mines:—Pedn.andrea, North Downs, Kelly Bray, and St. Aubyn and Grylls.

The fact of the London daily press now giving a place in their columns to the business done in British mines, together with the increasing circulation of the Minist mode for the investment of aspital. This queed not create much emprise, as the hittento favourite shannels for investment—via, relivany, joint-stock banks, turnplik trusts, and foreign gold sebence—have been attended with such very disastrous consequences to all conserved in them.

2 Adam's—court, Old Broad-street, London, Oct. 2, 1857.

MR. R. TREDINNICK, BROKER AND GENERAL DEALER, GRESHAM HOUSE, OLD BROAD STREET, LONDON. 22.

MINING OFFICES .- Mr. T. CARTHEW, ST. CLARE STREET, PENZANCE.

STREET, PENZANCE.

STREET, PENZANCE.

AS SERS. VIVIAN AND REYNOLDS, MINE AGENTS, Go. OLD BROAD STREET, LONDON, R.C.

Mesers. Vivian as an underground agent and manager of mines in Corawall, and in various foreign countries, to afford informatian on most important mining districts; and to inspect and report on mines. They are also important mining districts; and to inspect and report on mines. They are also important mining districts; and to inspect and report on mines. They are also important mining districts; and to inspect and report on mines. They are also important mining districts; and to inspect and report on mines. They are also important mining districts; and to inspect and report on mines. They are also important mining districts; and to inspect districts of mining, which is at the service of those who may bonour them with their confidence. The value of mining stock generally is advancing, owing to the sounder business principles which are being introduced into this great branch of industry, and to the brilliant prospects which he present high price of metals give to mining enterprise. Mesers. Vivian and Reynolds enterprise so much safety, combined with such good chances of rapidly increasing value; and, from information recently received, they would direct the attention of capitalists to the following mines, as being sound undertakings, and their market value not in proportion to their prospects.

North Meskear.

Stray Park.

10 Geneville, £1 its.

11 Gemborne Vean.

12 Jensel West.

12 Jensel West.

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19 Jensel West.

10 Great Wh. Busy. £8½.

10 Great Wh. Busy. £8½.

10 Great Wh. Busy. £8½.

10 Just Stray English.

10 Just Stray English.

11 Just Stray English.

12 Jensel West.

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14 Just Stray English.

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MR. W. H. BRUMBY, STOCK AND SHAREBROKER,

1, QUIET STREET, BATH, is in a position to give the BEST ADVICE in
the SELECTION and PURCHASE of DIVIDEND and PROGRESSIVE MINES.

MR. H. HUXHAM, COLLIERY VIEWER AND MINING ROW OPEN to PROPESSIONAL ENGAGEMENTS; and begs to assure those who may favour him with their commands that all business entrasted to this charge shall receive prompt attention, and be executed with the utmost fidelity and care. References and testimonials of the highest character can be produced. Terms moderate. AN IN-DOOR ARTICLED FUPIL WANTED. He would have first-rate opportunities of attaining a thorough knowledge of practical and theoretical mining engineering, in all its branches.—Pont-yspridd.

Mesers. A. FORSTER and CO., of the UNION MINERAL WORKS, BRENT-FURD, MIDDLESEX, are PURCHASERS of a FIRST QUALITY ARTICLE, in the crude or rough state, delivered in the River Thams. Applications to be ad-dressed to their works at Brentford.—London, Aug. 25, 1887.

WANTED, AT ALL TIMES, ASH METAL BRASS, and ASH METAL LEAD, at 10, CARRIOR STREET, GLASGOW. 27

THE MIDLAND IRON COMPANY, ROTHERHAM, YORKSHIRE, MANUFACTURERS OF RAILWAY TYRES AND AXLES FOR
LOCOMOTIVE ENGINES, CARRIAGE AND WAGON WHEELS. From the tests
to which this from has been submitted by engineers and railway companies during
everal years, its superior quality has been generally seknowledged, and can be us.
heeftatingly affirmed.

CO.'8

MESSRS. A. J. HUTCHINGS AND
PATENT IMPROVED WIRE ROFE.

SOLE MAKERS TO THE
LORDS OF THE ADMIRALTY, THE FRENCH AND TURKISH GOVERNM
And the principal Collery Proprietors throughout the kingdom.
MANUFACTORY, MILL WALL, POFLAR, LONDON.
BOUND and FLAT ROPES of every description, suitable for mining ope
or other purposes, GALVANISED or UNGALVANISED, MANUFACTURES
the newest and most improved meshinery, ensuring greater plainlity, durabil'
strength; and is admisted by the principal soal proprietors to be far superior
other kind of wire rope. The superiority of these ropes over heaman quesof strength, lightness, durability, and cost, is admitted by all who hard tried
GUIDE ROFAS, SIGNAL GORD, EIGHTNING CONDUCTORS, 4

MR. T. P. THOMAS, MINING AUCTIONEER, 2, CROWN COURT, THREADNEEDLE STREET, LONDON. 92

VALUABLE MINING MACHINERY AND MATERIALS FOR SALE,
AT WHEAL GILMAR, ST. ERTH, CORNWALL.

M. R. T. P. THOMAS has been favoured with instructions to SELL,
BY PUBLIC AUCTION; on the above MINE, on Wednesday, the list day
of October inst., at Twelve o'clock, in suitable lots, the following very excellent
MINING MACHINERY and MATERIALS:—viz., One 41 in. PUMPING ENGINE,
7 ft., in shaft, and 9 ft. in oyinder, with 11 tons bolier; one 22 in. stamping and whime
engine, 6 ft. stroke, oqual beam, with 9 tons bolier.
16 heads stamps, with axis, 19 ft. 14 in. pump.
brasses, 6 co., complete.
92 fms. X capstane-chain.
Whim cage.
19 ft. 12 in. He-pisce.
12 in. He-pisce.
12 in. He-pisce.
13 in. He-pisce.
14 in. pump.
15 capstane-chain.
16 ft. 12 in. pump.
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25 1 frame.
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learpenters' bond
learpenters' ches
Rod linings.
Lot of plank.
Grinding-stone and
8aw-pit frame.
1 42 in. kieve.
3 36 in. kieve.
2 water-barels.
2 tube.
Tramvoad iron.
Lannders.
Lot of plank.
Lot of plank.

plete.
1 12 in. H-piece.
1 6 ft. 12 in. pump.
1 9 ft. 12 in. pump.
1 9 ft. 12 in. pump.
1 3 ft. 12 in. pump.
1 8 ft. 12 in. plunger-case
with sturing-box an
gland. Vice and crane.

Staples.

Look in bellows.

Iron horse.

Pump rings.

Pins and bolts.

Door hangings.

2 cupboards.

Lander's nippers.

Sauthe's rough.

Iron ladder staves.

Winze kibbles.

1 4-wheel wagon.

Sucket-rook and jr

Boring machine.

Serewing stook.

Minera' tools.

Stael.

Cheeks, eyes, &c.

Iron bars.

Steel.

Stael.

1 10 in. ht-piece.
1 10 ft. 11 in. plunger-case stuffing-box and gland.
6 in. boxes and prong.
Wend eisserns, complete.
1 4-arm capetan.
Shears, complete.
Pulley stands.
Pulleys.
Shaft tackis.
Shaft tackis.
Shaft tackis.
12 balance-bobs, complete.
12 balance-bobs, complete.
10 in. plunger-pols.
12 in matching-piece.
50 fms. iron rods, 1½ in. reund.

67 fms. ditto ditto

Tram wagon.

2 steam whim kibbles.

3 windbores.

2 4 ft. 14 in. matching-

pieces.
The above manhinery and mituated for removal.
For further particulars, cats
and for catalogues, conditions

S stamp heads, with lifter Bell wire. Knocker line. Plates and bolts. Spanners. 3 iron doors. Smiths' tools. Smiths' tools. Plates, taps, and wrests. 1-16 steam-whim choles. Iron rod plates. Iron rod plates. Iron rod plates. Iron to diale. wood gate.
Miners' chests.
Wood gate.
Wood door.
Horse launders
Account-house niars, catalogues, and to view, apply to the captain, on the mine; conditions, &c., apply to R. R. Mickell, Esq., Marasion, Corntioneer, 2, Orown-court, Threadneedle-street, London.

1 buddle.
3 hutches.
3 buddles.
Launders.
12 strips.
Timber.
1 frame.

seasouring and har rows. Scales and weights. Tin leavings. Timber, different size Launders.

wall; and to the auctioneer, 2, Orown-court, Threadneedle-street, London.

3, PINNER'S COURT, OLD BROAD STREET, CITY.

N. JOHN R. PIKE, in acknowledging the liberal support he has received since commencing business as MiNING and SHAREBROKER, begs to inform his friends that he has, for the greater facility of business, REMOVED to the above address, where he will continue the etrictest attention to all business confided to him, whether in the purchase or sale of mining shares.

Mr. J. R. Pike issues daily, when applied for, a List of transactions in the Mining Exchange, and he piedges himself to she business at a moderate rate of commission, and in all cases to carefully study the interests of his clients.

Priday, Oct. 2, 1857.

WILLIAM MARLBOROUGH, MINING AGENT, (For many years with Mr. T. P. Thomas).

(For many Moders STOCK AND SHAREDEALER.

MR. WILLIAM MOORE, STOCK AND SHAREDEALER,
11, HERCULES CHAMBERS, OLD BROAD STREET.
N.B. Business transacted in every description of stock and shares.

REMOVAL.—Mr. EDWD. S. CODD (late of 11, Warnford-court, Throgmorton-street) begs to inform his correspondents that all COMMUNICATIONS from this date must be ADDRESSED 21, GIBBONS ST., PLYMOUTH,

£100,000 TO INVEST ON MORTGAGE OF MINERAL PROPERTY of ample value.—Apply to Mr. WH. WHALLAND PROPERTY of ample FOR SALE, FORTY SHARES in SILVER VALLEY MINE, near Truro, adjoining sett of Penhaldarva Mine.—Apply to "W. T.," Bull Hotel, Bishopagate-sireet, City.

TO BE DISPOSED OF, a LEAD MINE, in the centre of a good mineral district in WALES. The sett is very extensive, covering no less than 650 acres of land, intersected throughout with a large number of lodes, containing lead ore, blends, &c. There are erected on the mine a good water-wheel, crusher, dressing-floors, blackantiha' and carpenters' shops, office, &c.—For further particulars, apply to "A. B.," at Mr. Rewland Evans, grocer, Aberystwith.

RAILWAY WAGONS.—TO BE LET, on reasonable terr QUANTITY of 6 tons RAILWAY WAGONS.—For particulars, apply THOS. Norse, Wellington Chambers, Cannon-street West, London.

RAILWAY, MINERAL, AND OTHER WAGONS, ON HIRE. POTTEN-STONE FOR SALE, of first quality, in lots, to suit purchasers.—May be viewed on application to Mr. Jas. Paney, 18, Legac-streat, Birmingham; and J. Moss and Ganale Shormass, Frankly, Steel Works, Sheffields.

FOR SALE, BEST SILESIAN ZINC AND SPELTER IMPORTED DIRECT.
Apply to Wichelmans and Busch, 3, York-buildings, Sweeting-sirest, Liverpool. ZINC AND SPELTER,

WM. ADOLPH AND CO., OF LONDON (E. C.), FOREIGN COMMISSION MERCHANTS, and AGENTS for the SALE and PURCHASE of COBALT, NICKEL, COPPER, and ALL OTHER ORES, SPEISSES, and METALS, of AGRICULTURAL INFLEMENTS and MACHINERY of every description. Highest references given.—Address letters, post paid, as above.

GOLDENHILL, COBALT, NICKEL, COLOUR, BORAX, AND CHEMICAL WORKS,

NEAR STOKE-UPON-TRENT, STAFFORDSHIRE.

JOHN HENSHALL WILLIAMSON, MANUFACTURER AND REFINER.

Reference.—Professor Miller, King's College, London.

TICKEL AND COBALT REFINING, AND GERMAN SILVER WORKS, MILL STREET, BROAD STREET, BIRMINGHAM. STEPHEN BARKER beer to inform the Trade that he has the following articles for sale:

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OXIDE

RIVER TAMAR COPPER MINING COMPANY (LIMITED).

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Capital \$10,000, in 10,000 shares of \$1 cash. Deposit 5c per share.
With power is ingress.
Calls not to caseed 5c, at intervals of not less than six months.
OFFICES,—104, KINGS ARMS TARD, MOORGATE STREET.
The River Tamar Copper Mining Company has purchased the sett hitherto know as as the South Devon Great Comols hims, neder which appellation it has been presecuted for upwards of four years hast past, with the greatest visious and judgments.
The mine is situate in a stratum of granite and killas, the former being exactly similar to the granite which yielded such great results at Gunnis Lake; and the latter being in every respect like that which has yielded such unprecedented returns at the Great Devoc. The grannes and impricts of these too forquations are highly favourable to good deposits of copper; and the mine is arrivered by from-courses, which appear to be necessary to the development of profitable copper mines. The character of the lode at the short is wider than the general king of granic lodes, which is allowed promising feature, and it runs nearly vertical, which is also a further advantage. Goesan is found in the lode as low as the 58, a good indication of a deep and profitable mine; and, lastly, the kind of copper ore which is found, in this lode is of the highest possible quality, so that the smallest quantities would be remunerative. In these pseudiarities, every known circumstance which tends to great success exists, these pseudiarities, every known circumstance which tends to great success exists, these pseudiarities, every known circumstance which tends to great success exists.

ent. Diluctions for shares, according to the subjoined form, accompanied by the pt of the bankers of the company for a deposit of 5s, per share on the number of a applied for, may be made at the offices of the company, and all applications rules adventurers in the South Devon Great Consols Mining Company will have denne.

Consequence of the superscript of the company will have eccelence.

FORM OF APPLICATION FOR SHARES.

To the Directors of the filver Tamare Copper Mining Company (Limited).

Office, 10 a, King's Arms-yard, Moorgats-street.

GENTLEMEN, — I request you to allot me shares, of all each, in this company; of L hereby agree to accept the same, or any less number which you may allot me, to execute the Articles of Association of the company when required; and on hisrs of the company.

Dated this day of 1857. Residence.

State if an adventurer in the South Devon Great Consets Mining Company, and a numbers of the scrip certificate held.)

(State if an adventurer in the South Devon Grest Gousele Mining Company, and the numbers of the scrip certificate held.)

LLATE SLABS AND ROOFING SLATES.—
The PEOPRIETORS of the NEW MACHNO SLATE and SLAB COMPANY (LIMITED) have, at great cost, made strangements to convey their produce from their quarries near Flestings to Conway, to obtain the great advantage of secess to the railway, giving them the facility of executing orders without the slightest delay. They treat that making Conway their shipping port will not cause them to be confounded with those hitherto known as the CONWAY SLATES, as the MACHNO SLATES are ENTIRELY FREE from PYSHIPS, or any metallic substance lishle to Oxidation of attains degree of bardesse, by exposure to the stanosphere, unknown in any other rein. The MACHNO SLABS are too well known to need comment, but the annexal valuable testimonial from Mr. Magnus, and also a strong chemical test to which they have been subjected, will better explain their quality:—

Pinilico State Work, Upper Beigrose, piece, London, Agril 7, 1853.—Gunntuncux: I very roadily offer my testimony to the exceptions their quality:—

Pinilico State Work, Upper Beigrose, piece, London, Agril 7, 1853.—Gunntuncux: I very roadily offer my testimony to the exceptions their quality:—

Pinilico State Work, Upper Beigrose, piece, London, Agril 7, 1853.—Gunntuncux: I very roadily offer my testimony to the exceptions to substance of large sizes, and of every requisite thickness. They are homogeneous in textures through of good colouri, free from epots and other impurities, pleasant to the tool of the mason, easily planed and moulded, and will bear exposure to a much higher degrees of beat than slabe from any of the Cannaronabire quarries.

Lesergool, Oct. 15, 1853.—Duan Stra: The experiments which I have fried on the specimen of state, in reference to its capability of resistance to acide, snable me to pronounce it in every way expande of retaining boiling vinegar, without injury either by its own substance, or to the contained

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pital.—Brighton Knaminer.
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it before laying out his capital.—Foole Herald.
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ON THE SEPARATION OF IRON FROM MANGANESE.

ny rampautez retto, maina, rosa... moderate temperature, the whole of the iron is precipitated; the decon-position takes place more rapidly upon the application of heat. There is no decomposition in solutions of the pretosalts of manganese when simi-larly treated. By boiling the solution, obtained by the action of the hylarly treated. By boiling the solution, obtained by the action of the hydrochloric acid upon commercial oxide of manganese with oxide of lead (litharge will ensure styp parpase), the liquid becomes colouriess after a few minutes, and a basic salt of iron its precipitated. It is, however, necessary to separate the lead from the manganese, which is best effected by the addition of a slight excess of sulphate of soda before filtration, and a small quantity of sulpharetest hydrogen-water (or the gas) to the filtrate. It is almost impossible to separate all the lead by seem of sulphare add or a soluble sulphate, The following experiments will show the securacy of the method:—

1. 10-00 grs. manganeso-manganic oxide, Ma, O., prepared from the carbonate, were discolved with 10-00 grs. pure metallic iron in dilute nitro-hydrochloric seid.

2. 10-00 grs. manganeso-manganic oxide were treated in the same manner with 100 gri iron.

dissolved mangane

ON SUPERHEATED STEAM.

The subject of superheated steam is far from being a new one, but inasnuch as another of those oft-recurring efforts to which an imperfect knowledge of the physical laws which govern it is now being made, I have ventured a few more words of advice, in the hope of staying the de-

knowledge of the physical laws which govern it is now being made, I have ventured a few more words of advice, in the hope of staying the delusion somewhat, to prevent a useless expenditure of time and money, with a fearful sacrifice of life itself, which must result from the extensive adoption of superbeated steam, produced in the manner generally contemplated. The superheated is probably the only state in which steam should be admitted into the cylinder of a steam-engine, for the purpose of fully developing its mechanical effects in the most comomical manner, previded that it can be done without increasing the danger which necessarily attends its use its any state.

Instead of superbeated, however, the subject has been a refect from a cause which is in subject to the star in the star in the star is supermatural. It would be no difficult task to show the delusion under which the experimenters themselves have isboured, in latin lose cases which are relied upon to prove the enormous gain obtained by under distal those cases which are relied upon to prove the enormous gain obtained by under distal that of a first prefer, therefore, to state what we do know, if any reliance is to be placed on the experiments of Regnanti and others:—That all dry gaseous bottes are exists no reason whatever for supposing that steam acts otherwise when superheated.

There is no dogma better supported by inductive reasoning than this, as a physical fact, for although there are no experiments which entirely agree with it, the differences are so small as to be within the possible errors of experiments of so much delicate. At all events, even the experiments themselves, however selected, do not justify the claims set up in favour of surcharged steam, hot air, carbonic acid gas, alachol, or ether, and the faiture of all of them points to the one same ansas.

If steam is an exception to the general rule, when how hat it is an object of the calms set up in favour of surfaced decessing the steam prevents its condensation in the cylinder, and

account of the rapid corrosion of the metal in contact with the steam while being superheated, but also on account of the great immobility of the particles of steam (when so superheated), and their low additional specific heat, which prevents absorption as fast as the metal will allow the heat to peas, and thus renders it liable to become red-hot.

Now, expanding high pressure steam before admitting it into the cylinder, has precisely the same beneficial effect in preventing condensation, and is not attended with the danger of superheating; but then comes the bugbear of twis-drawn steam. Now, what does it matter if the steam is throttled, provided we get all the power required in the control of the steam of the proportion to its value than any other less dease, team will not cost more to make in proportion to its value than any other less dease, team will not cost more to make in proportion to its value than any other less dease, team will not cost more to make in proportion to its value than any other less dease, team will not cost more to make in proportion to its value than any other less dease, team will not cost more to make in proportion to its value than any other less dease, team will not cost more to make it proportion to its value than any other less dease, the proposing that cocasioned by expansion to four times its volume, the temperature will all from 200° C. to about 188-73° C., while the density and pressure a will be one-fourth of the original steam. Clearly this must be superheated steam, will be one-fourth of the original steam. Clearly this must be superheated steam, of no normal steam has no such proportions as we have assumed between its total heat, disnaty, and pressure. But all the control of the cylinder of the original steam. Clearly this must be superheated steam, of the proposition of the cylinder of the cylinde

and have become sufficiently cooled to be used with earlity for that purpose. These are equal to the best locomotive holier proportions, but the application is very different, as the believe to pright, and the uptake is immensely expanded just below the water line, at the instant the space are in a state of intense signition.

I have stated neching in this communisation but simply physical facts, and yet I know very well that a majority of the engineers of the present day will condemn them as hereital, and probably knock them on the head with the sledge hammer of predictal experience. If you are right, said one of our most emissive engineers, we are all wrong. Even-so. But trobb—ah!—will prevail, which I intended to prove by some post, but having forgotten his poetry, will merely retterate, will prevail, without, but having forgotten his poetry, will merely retterate, will prevail, without, however, commulting myself to the precise time—when.—Journal of the Franklin Institute: New York, Sept.

MANAGEMENT OF BLAST-FURNACES-FLUXES. [From Mr. S. B. Rogers's forthcoming "Treatise on Iron Metallurgy."]
With those fluxes an experienced furnace manager would be enabled

to produce, at all times, any iron or winder result that may be required, and, consequently, demonstrate, beyond all cavilling, that the working of and, consequently, demonstrate, beyond all cavilling, that the working of blast-furnaces may be placed under complete control—a circumstance that no ironmaster or furnace manager is at present willing to admit; indeed, such a thing is put down as a rank impossibility, but the only reason for such a conclusion is that it has never yet been done! This is a reason certainly in keeping with the conclusion referred to, but it has no support from science, and very little from actual practice. Now, with respect to the production of quantity of pig-iron from one furnace in any given time, the maximum has not hitherto been even conjectured; for if the furnace mixtures of coke, mine, and flux are duly apportioned, and the several elements thereof brought in contact with each other, so that the carthy residuums should of themselves readily unite at the temperature of the furnace into a fluid, and nearly colourless, glassy cinder, and, consequently, without taking up protoxide of iron (for this is the test of good and officient furnace management—a point, however, that cannot by any possible means be effected without the aid of an active flux or fluxes); then the quantity of iron which may be produced in any given time will only be limited by the quantity of coke that may be consumed, or the amount of temperature that may be generated in that given time; so, with a sufficient command of blast, there are no insurmountable impediments to the weekly make of blast-furnaces ranging to 300 tons, or even more, of good pigi-iron, and this with the very important and peculiar advantage of the tohele of the iron of the mines employed going into the pig-bed or refinery-box, instead of from 16 to 20 per cent. of it, and often more, flowing away as a black scouring furnace cinder—a complete and total loss to the extent, in the aggregate, at some large iron-works, of from 4000 to 5000 tons a year! And besides this direct saving of iron, the quality of the whole make would be so much improved by the new principles of iron smelting under blast-furnaces may be placed under complete control-a circumstance that

ASSOCIATION FOR THE PREVENTION OF STEAM-BOILER EXPLOSIONS.

The monthly report of Mr. R. B. Longridge, the chief inspector of this ociety, states that during the present month 418 visits have been made The monthly report of Mr. R. B. Longridge, the chief inspector of this society, states that during the present month 418 visits have been made to members of the association, and 1074 boilers inspected (32 of these internally). The principal defects which have been observed are:—10 boilers injured from deficiency of water, but not immediately dangerous; 12 boilers injured from deficiency of water, but not immediately dangerous; 12 boilers defective from corrosion or fracture of the plates, one of these dangerous; 2 water gauges sociation for fracture of the plates, one of these dangerous; 2 water gauges sociation took place at Mesera. R. and W. Johnson and Co's Ironworks, Bradford, by which the engineman and three other persons lost their lives. This, the first explosion of a boiler under their sheeped on coursed under the following circumstances:—The boiler, made by Mesera. W. Fairbairn and Son, was 27 ft. long and 5 ft. diameter, with an internal fuel 2 ft. bin. diameter, a breast boil, originally filled with lassd, which was found to have been melted out on examination after the explosion. This, together with the red oxide on the surface of the plates, present unequivocal widence of the upper part of the flue having been red hot, which could only have ensued from a defeneer of water. The glass tube water gauge, with which this boiler was provided, was found in good working order; as yer also the two safety valves, one weighted to 50 lbs, per quare link, the other somewhat higher: but insamuch as this boiler was incomection with 16 others, of water high of the complex embers of the association, and 1074 boilers inspected (32 of these in-

THE NETHERTON COLLIERY EXPLOSION.—The inquest on the body of George French, the doggy who was killed in Mesers: Mill's Gawn Colliery, with eight other colliers, by an explosion of fire-damp, was brought to a close on Monday. After the examination of Mr. Brough, the Government Inspector for the district, other witnesses were called, but their evidence was not material. Mr. Astor, the underground bailiff of the pit, gave his opinion that the explosion had been caused by a "shut" or fall of coal. Mr. Brough said that if the ventilation of the pit was not improved in the way he had suggested in his report, there would be more lives lost there. The Coroner having summed up the evidence, the jury, after retiring for nearly an hour, returned as their verdist, "That the death of George French was caused by an explosion of sulphur, which had accumulated in the pit, but what fired it there was no evidence to show; at the same time, the managers of the pit were blameable in not having carried out Mr. Brough's suggestion for gate-road sir."

Oppulsing A Davy Lavin — At the West Biding Court Bradford Win.

OPENING A DAVY LAMP.—At the West Riding Court, Bradford, Wm. Pollard (aged 14), employed at the Bowling Company's pits, was charged with having wilfully opened a Davy safety-lamp. Ridley, the under-steward, supplied him with a locked lamp, which was afterwards discovered open, and that the lad had a key: he was committed for 14 days.

Annealing Wire.—Mr. J. Rylands, Warrington, proposes, instead of the unnecessary and expensive method of passing wire to be annealed through the farmace and then through chambers with lifting or feiling the foors, using for that purpose an endless chain or other expensive apparatus, merely to pass the wire to be annealed through an ordinary farmace, as hitherto used for annealing glass, and pass it out of a passage, by manual labour, or any simple method of conveying it from the furnace.

of a passage, by manual labour, or any simple method of conveying it from the furnace. The EMPREMON'S TRAIN.—The novelty in the imporial train consists in the manner in which the carriages are united together by little suspension bridges, highly carved and ornamented. The first carriage is occupied by the servants, the second by the personnel of his Majesty's suit; then coines the dining hall, entirely lined with carved oak and gilt teather—a raised dais marks the place to be occupied by their Majestics. At length comes the "terrace wagon," an entire novely, both in execution and intention. It serves as summer-house or belvedere, for the better view of the country through which the train is passing, and is surrounded by a gilt balustrade, round which are set cushioned divans, and has setted and the divided of the country through which the train is passing, and is surrounded by a gilt balustrade, round which are set cushioned divans, and baskets filled with odoriferous flowers. The drawing room is in the style Louiz Quinze, see-green, carpeted with a flowery-patterned Auhusson. The bedchamber is divided into four compartments, each containing a conch, for the repose of the Emperor and Empress, the Prince Imperial, and his gouvernente. The two former are fitted in blue velvet and gold, the two latter in violet and gold.—Court Journal.

Original Correspondente.

VENTILATION OF COAL MINES.

SIR, .- In perusing your last week's Journal, I met with a reply from Mr. Hopton to the question which I previously propounded, to test his plan in one part; but Mr. Hopton, instead of giving the question that amount of gravity which it requires, tries the sarcastical, and uses very questionable language. I shall overlook this, and come at once to the cause of dispute, as it is desirable that this simple question should be at once and at reat.

questionable language. I shall overlook this, and come at once to the cause of dispute, as it is desirable that this simple question should be at once set at rest.

QUESTION IN DISPUTE: Two columns of air, the distances of which are unequal, will not pass through one and the same regulator in equal quantities. Mr. Hopton, in his reply, states that it is not necessary that it should be so: I ask why not! It is quite as possible that equal quantities might be required as unequal, consequently it will at once be seen that his answer was evasive. Not being satisfied with his answer as to what could be accomplished with "one and the same regulator," I put another question, to ascertain how he could get unequal quantities to pass through the same regulator: be its observed that I required the larger quantity around the longest distance.—Second Question: I wish to know how I am to get a larger quantity of air around by B, which represents the longest current, than is passing along at A. This question appears to have required no small amount of consideration, as Mr. Hopton did not reply until the exprantion of a fortnight; at last he come forward, and states to accomplish this he must have recourse to another regulator, which he places in the division A. I sak, does not this admission settle the above question entirely in my favour with respect to "unequal lengths and equal quantities!" I naswer in the affirmative. Again, Mr. Hopton wishes to colour his admission with regard to the second regulator, by stating that "his explanatory treat" provides for auch regulation, if it he required, wene as plain and clear as trice two are four. I shall now quote that part of his treat which treats upon this point—"It will be asked, will not the air; and if there be 12 sets or winds in a mine, and some of the sets have more all the air; and if there be 12 sets or winds in a mine, and some of the sets have more all the air; and if there be rise will, doubtions, be the case if there be room enough for all the air; and if there be ris

- x

Current of air as per Mr. Hopton.

X. Air crossing.

H. Bord gates.

In the next place, I shall prove that Mr. Wm. Hopton had not at the outset got the idea that a second regulator would be required in the shortest division of air, so as to enable him to get a larger quantity of air to pass around the longer division. On referring to the above diagram, and closely examining the arrangement of the stoppings, crossings, and regulators, it will at once be seen that the darts indicating the currents of air around the bord-gates, as per Mr. Hopton's No. 2 plan, are disnertically opposite to those indicating the direction which the air will traverse such bord-gates. This may appear rather strange to Mr. Hopton, but it is, nevertheless, a fact. He may ask how I make this appear; I do so in the following manner:—Suppose I make a hole in the stopping marked X, which way will the air press through the squant I answer, from No. 1 into No. 2 division, but certainly not from No. 2, around the bord-gates, as marked by "H." and then through the regulator A. Then close the hole in the stopping, which will naturally bear the air around the bord-gates in the contrary direction, as shown on plan by Mr. Hopton. This places Mr. Hopton in a very uneaviable position with regard to his improved plan, as will be clearly understood from the above that the ventilation in the various bord-gates are entirely and solely dependant upon the difference of density between the two closes of the stopping "X" to bear the air around to T, in No. 2 column. This is the only ventilating power that Mr. Hopton has under the present circumstances to ventilate the various bord-gates; but as the bord-gates becomes so extended that the friction in them will be equal to the difference of density at the stopping "X" to bear the air around the transport of the stopping "X" will not so much depend on the difference of distance between the two columns of air as it will upon the velocity of the air along the main levels, as will in a safe made to pursue with rega

would say that such a system is not at all applicable, owing to its uncertainty, as before stated. In conclusion, I beg to suggest for Mr. Hopton to revise his plan at once, and admit honourably that he is in error, by not having placed his regulators in their proper position, before presenting his "improved plan" to the public. Now that Mr. Hopton has discovered that a second regulator in "A" division is necessary for that part, let him apply the same remedy to all other divisions.

Again, Mr. Hopton states that if the gas should explode in any of these separate "winds," the effect of the explosion would be confined to that particular district, and "winds," the effect of the explosion would be confined to that particular district, and from the downcast shaft. I sak the reader to refer to the above diagram, and judge for himself whether he would like to risk the experiment, seeing all the works connected as they are. I should say not, and would advise Mr. Hopton, shore he again attempts to onlighten the public by any novelty regarding the ventilation of coal mines, to arrange his ventilation differently from his No. 2 plan.

I now appeal to the public. Was Mr. Hopton conscious at the commencement of this discussion that a second regulator would be required, to adjust currents of air of different lengths and quantities? I answer in the negative, as he could never have arranged the ventilation as he has delineated upon his improved plan No. 2, if he had perfectly understood where regulators ought to be placed, so as to give each and every division its proper quantum.—Ocf. 1.

COLLIERY WORKINGS-FAN VENTILATION.

-It is very much to be deplored that men of known ability in particular branches of science or the arts should so far give the rein to imagination, as to proposed the former head I shall go through the several trials and judgments successing the property of the profession of the proposed plan to the case.

Under the former head I shall go through the several trials and judgments successing to my purpose, and then ubmit a kind of disregard to, established facts, and twist scientific principles of the proposed plan to the case.

Under the former head I shall go through the several trials and judgments successing the proposed plan to the case.

Under the former head I shall go through the several trials and judgments successing the proposed plan to the case.

Under the former head I shall go through the several trials and judgments successing the public with whom they are dealing, and calculate the public with the word of the public will have defined the public trials and the succession of the courts in modern days to put a factor of this furnishment of the facts of gination, as to propound theories and make assertions at variance with,

ing ith he

of

remposition and combinations seemmanaring the exploiten take plane." This tables is morely a repetition of the above estiments, expressed its revade.

Now, until Mr. Rogers proves experimentally itself for each or is produced in any soft the assertion that the "could that" certain the each of its produced in any soft the assertion that the "could that" certain of the sacretion that the "could that" certain of the experiments that the "could that" certain of the experiments that the "could that" certain of the experiments that the protocortex of the sacretion that the "could that" certain of the experiments that the protocortex of the sacretion of the experiments that it are water and corrected when it is decomposition to the experiment of the experiments that the experiments of the experiments that the experiments of the experiments that the experiments of the experiments of the protocortex of management of the experiments of the experiments

THE IRON TRADE-THE CORT TESTIMONIAL FUND.

THE IRON TRADE—THE CORT TESTIMONIAL FUND.

Sin,—The letter headed as above, in your last Journal, signed R. Mansfield Marks, dated Rue de Madeleine, Paris, Soptember 22, demands some notice, purporting as it does to be explanatory of the writer's conduct with reference to the Fund, for the success of which, with tears in his eyes, he professes to be, and no doubt is, so deeply interested. Knowing the value of space in your Journal, I shall now briefly notice your Anglo-French correspondent, meaning to address a circular to the fron trade, containing his letter and this reply, with such other facts and proofs as will fully establish all past ennealments and misrepresentations, should he fail to make the amends honorable, as I shall propose, which no honest or some man would dare to refuse.

After remaining several weeks at Glasgow, I discovered to what extent the "Contact Testimonial Fund" had been injured there: I found that Robert Marks had introduced himself in the name of Mansfield Marks, generally in a cab at every door, as a gentleman having private business of his own to transsit, but could not resist the opportunity of indulging a sincere desire to relieve immediately, if possible, the aged daughters of the late Henry Cort, whose inventions had contributed so largely to the property of the iron trade and commerce of Scotland.

But, whatever night be the intensity of his benevolence to relieve the immediate waits of myaged esters, whose pensions do not exceed for two of them 194, per annum each, while the other is wholly destitute, he seems to have forgotten singulether, during the last 12 months, to pay in cash a single farthing to the Cort Fund, out of some houdreds sterling, which he must have himself retained, over and above all expenses, out of 8004, confessed by himself to have been collected at Giasgow and elsewhere. The total amount paid to the bankers up to the end of December last, solicited by Robert Marks does not exceed 14th, every farthing of which was paid by the donors themselves in each o

ON THE TRIAL OF PATENT CAUSES .- No. XIII.

ON THE TRIAL OF PATENT CAUSES.—No. XIII.

Sin.—Having in my last letter indicated the purpose I have in view in drawing attention to the features of Heath's case, I will now, after making a single further romark, proceed to consider the circumstances of this remarkable case, which appears to have died in its youth, being only about 15 years old at the time of its decease.

My one prefatory remark is this—I wish to clear myself from any semblance of disrespect for the Bench, or of want of confidence in the proper administration of the Law of Patents, in the comments which will be submitted to your attention, although I am a member of that profession which is usually spoken of in no very complimentary terms by lawyers. For instance, the Juris' easy—"A pair of folding-doors, with large size plates bearing the words 'Office for Patents,' are much affected by gentlemen in this line of business, with the design, we suppose, of giving their chambers a status, in the estimation of the learned, superior to that of the unpretending retreat of the Altorney or Solicitor-General for the time being," Although a patent agent, I am anxious to avoid even the appearance of disregard for the majesty of the law, and for this reason I beg to remind you that my sole aim is to remedy defects in its administration. But to proceed to the consideration of Heath's case, it will be convenient to arrange my remarks under two heads.

1. Observations on the circumstances of the case.

2. Application of the proposed plan to the case.

This results of this trial was a nonsentice of proper and then submit a kind of summary of what has been thus presented.

This LAY LAY LAW IN THE EXCHISQUES, REPORE LORD ABHORES, C.B.

PUMPS FOR MINES.

Sin,—I have noticed a paragraph in your valuable Journal of Sept. 19, in reference to a plan proposed by Mr. W. H. Harrison, of Ty-Mawr, Pont-y-Fridd, Glamorganshire, recommending the use of "iona-steel," or a combination of both, for side rods for pumps. The suggestion for side rods no doubt is good, and is an improvement on the oid plan of fastening the second rod to the side of the first. No doubt there are many objections to this plan of connection; one is, that it throws the strain out of the centre line of the forcer ram, and the consequent tendency of jamming the ram is gland and case, the result of which would be to wear the ram on one side, and hence the necessity of having the connection both sides of the pump barrel. With due deference to Mr. Harrison's plan of iron-steel, or a combination of both, for side rods for pumps, I differ as regards the material to be used for them. I would prefer wooder rods to either of them, being of a more porous and softer subtance, to receive the tremor and surges which pumps are invariably subjected to by working on blast, insufficient packing, tight blast, &c. I have had a 18½-in. forcer working on the same plan for the last eight years, for the Risos Goal and Iron Company, and it has not cost one penny for repairs since it was part in. The way I connected it was as follows:—To the top rod I have wooden linders on both aides, sufficiently thick to throw the side rods wide enough apart to clear the pump barrel and main beam, where the pump barrel rests on; then, the side rods are pinned and strapped together in the usual manner, above and below the pump barrel and main beam, where the pump barrel rests on; then, the side rods are pinned and strapped together in the usual manner, above and below the pump barrel and main beam, where the pump barrel rests on; then, the side rods are pinned and strapped together in the usual manner, above and the low the pump barrel and main beam, where the pump barrel rests on; then, the side rods are pinned and strapp

MINING.

Risca, Monnositheire, Oct. 1.

MINING.

Str.,—If we see smoke ascending from a chimney we conclude fire is below. With equal certainty the proper effect at surface being produced by a lode may we depend upon finding a deposit of mineral wealth beneath; it may be hove or dislocated by cross-courses or sildes, and nipped up to a mere string by hard bare of ground, still, by perseverance, the cause must be found. I think I may state with certainty that all the lodes in Devonshire or Cornwail proved to contain ore in greater or less quantities have exhibited a corresponding effect upon their backs. Why, then, is mining so uncertain as to be called a lottery, where a few prizes are drawn, but many, many bianks! In answer to this question, I ask, Why are the Mesara Taylor so uniformly successful in their mining operations? Because their mines are not held by a majority of merchants who supply materials at double cost, and managed by capitions who dare not disobey them, but worked on honest principles, and before laying out money in a sett prove it to contain lodes worthy of trial, then work judiciously and aprittedly, with almost a certainty of success. Knowing you to be an advocate of legitimate mining, I annex an account of a mine worked on the above simple rules, and, of course, eminently successful.

In the turnpike road between Okchampion and Exeter is a cutting in Ramaley Hill, exposing several east and west lodes, caunters, and cross-courses, of a mastery character, varying from 3 to 13 fms. wide, composed of gossan of the best quality, embedded in a light blue clay-alate; they are in immediate proximity to granite, thus presenting features sufficient to warrant a good mine in depth. Some time ago a company was formed to prove them, but the principal object being "jobbing in shares," nothing effectual was done. Hundreds of captains, miners, secretaires, and pursers have been through the cutting. Where, then, were the "issn-eyed practicals," to allow snot a splendid property to slip through their fingers. Even

MANSION-HOUSE BUSINESS-WHEAL ZION.

MANSION-HOUSE BUSINESS—WHEAL ZION.

Six,—Mr. P. W. Stockwell, the plaintiff in the late extraordinary affair, is, I understand, one of the members of the Mining Exchange. If his conduct is shaped according to their rules, the seconer they are altered the better. It appears that a man may give bills and securities, and if at any time he chooses to enquire where they are, he may find himself liable to be criminally prosecuted before the Lord Mayor, or as I might term this new mode of doing business, he would discover himself "Stockwelled."

What Lord C. Clinton or Mr. Jeffree may do is not for me to enquire; let each man find his own redress; they may probably treat the case as it deserves—with contempt. All and each of us have different tastes: for instance, Mr. Stockwell, who for the edification of the mining world, last Saturday, chose to revive the obsoicle punishment of the pillory in his own person. In my opinion, he ought to receive a further locus pericentics, as his method of doing business must inflict great injury on mining speculation; and I do believe that it is the duty of all respectable persons connected with mining to repudiate such nefarious transactions as those disclosed last Saturday at the Mansion House.

lation; and I do believe that it is the universal those disclosed here contained the Manioin to repulate such nefarious transactions as those disclosed here contained the Manioin House.

We must give Mr. Stockwell credit for some judgment, as it was elicited that some of his questionable work was performed by parties connected with that viriatous and prosecuted convicted publication, Paul Pry — a fit and good companionship. I trus that now these matters are known the public will have sufficient discernment to se with whom they are dealing, and dealers will learn that they cannot bandy noble an respectable names. Several motives have been seribed to Mr. Stockwell for his conduct in this matter; many are, however, more lenient, and I, as well as others, imagin that he has been merely the tool of others, just as unscrupilous but more cunning than himself.—Oct. 1.

yself of my appointment of receiver and manager, made by the Lords Justices, the preme tribunal of England, as I found it useless in Brazil, and even disreputable the empire; and firm in this epinion, and confiding in the Brazilian laws, I have so refused to make any real-mation to the English Court of Chancery, notwith-anding that I am the largest shareholder and the largest creditor, being in virtue [my legal position in Brazil the absolute owner, with power to sell, to rent, to hire, to give freedom, according to my will. I do not, however, desire to, avail myself these powers. Besides which, it is necessary for the payment of the moneys that rejustly due to me, and I am ready, as I have before offered, to submit all the maters in dispute to the decision of two impartial persons, or even to the president of percommercial Brank of London, or to any other person of equal position and character. "Let this serve as a reply to the shameful calumnies which have been spread repecting me.

specting me. Signed, EDWARD OXESFORD,"
Reply to the above article, translated from the "Jornal do Commercio," of Aug. 23.—
"NATIONAL BRAILITAN MINING ASSOCIATION.—Edward Oxemford having published in the "Jornal do Commercio" of this date, and in the "Correio Mercantil" of yes porday, a declaration, signed by him, with reference to his circumstances and position relative to the company denominated National Brazilian Mining Association, from which it is easy to draw false inferences, I invite those who have any interest, or effect to possess accurate information on the subject, to appear at the office of this Countries where, with much satisfaction, I shall furnish every explanation to the entery of the declaration referred to.

Signet, Jones J. C. Westwood."
"British Consulate, Rio de Janeire, Aug. 22, 1837."

Meetings at Mining Companies.

THE ARUNDELL COPPER MINING COMPANY, ASHBURTON, DEVONSHIRE.

An adjourned general meeting of shareholders was held on Monday, at which the number of shares held by shareholders, either personally attanding or represented by proxies, was nearly 5000,—Mr. SHIRLEY WOOLMER in the chair.

number of shares held by shareholders, either personally attending or represented by proxies, was nearly 5000.—Mr. SHILLEY WOOLNER in the chair.

The notice convening the meeting having been read by the secretary, the proceedings of the hast general meeting, and of the consmittees held since, were read and confirmed; and the eash accounts were sudited and passed. The statement of receipts and expenditure since the last general meeting, held on the 29th of June last, showed that, in addition to a balance of \$4.11s., then in hand, calls to the amount of 369.4s. had been received, making, with some calls of a previous date received, as total amount of 4411. Ss., against which the total expenditure, including a sum of 1001, pald on count of a compromise of the claims of Mr. Vanghan Prance's costs, amounted to 2711. Ss. 4d.: leaving a balance of cash in favour of the company of 1694. Iss. 3d.

A statement of assets and liabilities was then presented, by which it appeared that the whole liabilities of the company, including 2504, the balance of a compromise of the claims of Mr. Prance, amounted to 8834. Iss. The assets of the company consisted of the plant and materials, valued at 10011. Iss.; of the balance of the last calls, still receivable, 1204f. Ss.; and cash and securities in hand, 1697. Iss. 3d.; making altogather, 23734. Iss. 5d.; giving a present balance in favour of the company, if the last call were paid up, of 1487f. 4s. 3d. In addition to the calls overdue, there might be some further dividend receivable from the state of Mesers. Strahan, Paul, and Co. There were also a large number of the relinquished shares, now the property of, and re-issuable by, the company, and some outstanding former calls, the receiptof which was doubtful. It also appeared, from the statement made at the meeting, that the steam-engine, plant, and materials at the mine were in good condition, and all in readiness for operations. In addition to a large or profits of creating and directions during this year. This ore, to be inade m

tested; and that funds were required to lay out an apparatus in detail. He had not been prepared to carry out the experiments when the deputation was at the mine; and the result had not been as he (Mr. Reid) anticipated—that the produce from the ore would cover all expenses.

In reply to questions from Capt. Moorson, Mr. Rene said, that the furnace not being dry had been very unknowarable to the experiments, and that the coat would not be so great in fature experiments. The first experiment was on 56 lbs. of ore, which gave 1 lb. of copper 25 per cent.; the next was on 6 wast, which gave 3 lg lbs.; but, as there was some loss, he reckoned the produce at about 2 per cent., as before; the should say it was from 1½ to 2 per cent.; 2 Sewts. of ore gave nearly 6 lbs. of copper, and 10 cwts. of coal was consumed; but allowances must be made for the waste, in consequence of the furnace being great.

Capt. Moonson asked whether he would undertake to return the copper from the poor ores at surface, on condition of his receiving half of the profits for his labour? He thought this a liberal offer, considering that the furnace had been put up and the accan adapted at the expense of the company.

Mr. Ren thought it would be better, if the company would allow him the use of the furnace, for him to try another series of experiments at his own expense, as the merits of the invention would then he more fairly tested.

Reference was made to the report of the general meeting held in July, 1856, and it was there found that Mr. Vaughan Prance, the then secretary, and for three months their solicitor, then claimed 1112. 2. 3d. for costs incurred within that time, subsequently to which date it was stated that more than another 100th had been also incurred by him. After long negociations and law proceedings, commenced by Mr. France qualists shareholders, a compromise of all Mr. Prance's claims had been made, on the terms of allowing Mr. Prance to retain sums of money he had received on account of the company, estimated at about 120th,

SITHNEY WHEAL BULLER COMPANY.

An adjourned general meeting of the adventurers was held at the offices of the impany, Gresham House, on Thursday,—Mr. R. T. Alison, in the chair.

company, Greenam House, on Thursday,—Mr. R. T. Alison, in the chair.
Mr. Whatmour read the notice convening the meeting, and the minutes of the last.
Mr. Bawilnos said that, in the resolution passed at the last meeting, it was agreed
that the 80 cross-cut north should be driven; but, according to the information hat
had since been obtained, it was found that they had driven through the lode, and that
it was useless to proceed in that direction any farther, and that the latter part of the
resolution be rescinded.
Mr. Owns suggested that they should confirm the minutes of the last meeting, with
the exception of that part that recommended driving the 80 cross-cut morth.
The Chairman said there appeared to be some misapprehension as to the operations at the mine.

The CHARRMAN said there appeared to be some misapprehension as to the opera-ons at the mine.

Mr. Rawlings said, at the last meeting it was agreed that they should drive the 0 cross-cut north with all possible speed; but Capt. Bryant recommended that the ast ground should be worked vigorously, and he believed it was agreed a year and haif ago that operations should be carried on at that portion of the mine. Capt. It was agreed that the best plan was to clear up the sdit, and one or two of the dishaft, and then determine what course should be taken.

Mr. Kowand Carasz said the eastern ground was always considered the richest sart of the mine. The adit was a mile in length, and might cost 1000f, or 2000f, to lear it up. If they worked the eastern part it must be by steam power.

Mr. Cours as add their expenses were 65f, a month, and that they were merely working for another company.

Mr. Covar said their expenses were 65% a month, and that they were merely working for another company.

Mr. Edward Carasz considered they had better wait the result of the driving the cross-cut in Wheal Metal, before they made any alteration.—It was then unanimously agreed that the 80 cross-cut north should be abandoned forthwith.

Mr. Covar considered they would never have justice done in the present state of things; they were merely tools in the hands of other parties. Upwards of 11,000% had been spent, without any benefit to the shareholders.

Mr. Owar proposed a resolution to stop the working of the Sithney Wheal engine from drawing the water at Wheal Metal, and that all operations be suspended in the western part of the mine.

The Chairman having assured the meeting that all the questions alluded to would have every attention by the Great Wheal Vor committee.

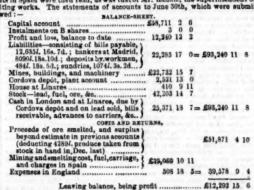
Mr. Owen agreed in good faith to let the resolutions proposed stand over. A call of 5s. per share was then made, payable by two instalments.

THE LIBERTY MINING COMPANY.

A special general meeting of the shareholders was held at the London Taverr

A special general meeting of the shareholders was held at the London Tavern, Bishopagata-street, on Tuesday,—Mr. Ruddlin in the chair.

Mr. Bood (the secretary) read the notice convening the meeting, and the report of Mr. Conquest, managing director, from which the following is condensed:—"When I arrived at the mine, on March 9 last, I found everything at a dead lock. There was no ore at grass for the purpose of stamping, the 120-horse engine was addy out of repair, the 18 stamps rotten, and the 24 stamps in bad condition. Two Chillian mills only were fixed, and these had not been used for some time. The debts of the company amounted to \$15,000. Crow's engine and the saw mill had been mortgaged for \$1000, and thus lest to the company? Money had been taken up at the rate of 40 per cent. Der annum, and desay and ruin was evident on every side. The last two win-ters had been unusually severe for Virginia, and a heavy fall of sraw last January had broken in the main timbers of the Popiar branch, from whence we obtained all our best ore during the summer of 1856. The north whim-shaft had also fallen in, but was made ready again for use the day before I arrived. By my accounts for the month of Augusty from will see that the total expenses, including all salaries, and anlowance of \$500 per month for war and tear of machinery, amount to \$1256-78, that showing a reduced expenditure of full \$200, as compared with the expenses of last year. The yestorys per account were under the order of machinery, amount to \$1256-78, that \$20 mines for the properties of last year. The yestorys per account were under the properties of the properties



culty, and the beneficial effect would very soon be felt by the company.

In reply to a shareholder, Mr. John Taylon stated that the railway was progressing from Seville to Cordova; but in his opinion their carriage to the coast would not be materially cheapened, as he did not think that the Spaniards charged very low rates for transport. They could bring down the ore to Cordova; and, as there were 14 or 15 steam-engines already employed in the Linares district, they could always ensure an ample amount of back carriage.

Thanks were then voted to the Chairman and directors, and acknowledged, and the meeting separated.

STRATHALBYN MINING AND SMELTING CO. (LIMITED.)

An extraordinary general meeting of this company was held at the offices, 11, New Broad-street, on Friday, Sept. 25, for the following purposes:—

Broad-street, on Friday, Sept. 25, for the following purposes:—

1.—For the purpose of determining by special resolution, pursuant to the 88th clause of the Articles of Association of the said company, whether the present board of directors, or any or either of such directors, shall be removed before the expiration of their or his respective period of office.

2.—In such case, for the purpose of appointing other or another qualified person or persons in their or his stead, if the meeting should think fit.

3.—To determine on the number of directors which shall form the board, and to reduce or increase the present number of directors accordingly; and in case the said meeting should determine on increasing the present number of directors, to appoint some qualified person or persons to the office of director.

4.—To determine whether the registered offices and the affairs of the company are to continue and be conducted in London.

There were an unercons attendance of shareholders.

many addes concentrated to \$25.00 fts, uses which we wan paying all per cent. Street, the control has not been control to \$25.00 fts, and the fine seems are printing and the control to \$25.00 fts, and the fine seems are printing as the pr

recjors:—Capt. Currie, of Brighton, Messrs. Taunton, Johnson, Buri, and Holland, of Liverpool.

The amendment having been put, was declared to be lost on a show of hands, and the orignal resolution carried, whereupon a poil was demanded.

The Charawan appointed Mr. Stevens, and the mover of the amendment appointed Mr. Oldham, to be scrutineers.

Mr. Wess then proposed, and Mr. Burnawd seconded, the following resolutions:—That the number of directors be at present limited to seven.—Carried unanimously. That the registered offices and the affairs of the company continue, and be conducted in London, which was also carried, there being but one disentient voice.

At 6 o'clock the scrutineers brought up their report, showing that 132 shareholders, 3702 votes, were in favour of Mr. Webb's list; 68 shareholders, 2405 votes, against: majority, 64 shareholders, 1997 votes, and the Chairman declared the same accordingly. The directors elected, therefore, were—Messrs. Winkworth, Thompson, Buller, Fullerton, and Webb, of London; and Messrs, Johnston and Holland, of Liverpool.

The proceedings terminated with a vote of thanks to the Chairman, which was carried by acciamation.

Fullerton, and Webb, of London; and Mesers. Johnston and Holland, of Liverpool. The proceedings terminated with a vote of thanks to the Chairman, which was carried by acclamation.

AUSTRALIA.—It is a matter of importance to mention, for the information of our readers who are interested in Australian affairs, that henceforth, on the arrival of the mail, a Circular of colonial stocks and shares will be published in London by Mr. William Westgarth, who is the head of the firm of Mesers. Westgarth, Row, and Co., of Melbourne. The first number appeared on Saurday last, and it is a source of great satisfaction to the London merchants and others, to find that there is now a reliable means of obtaining the official and latest quotations, without the disarcpancies and omissions, in many cases, which occur in private communications. We cannot, in fact, do better than to quote evaluates in the New York, which is concise and clear, and defines exactly the general state of the Melbourne more market. He says:—"The latest debonture issues advised from the colony (Victoria) were in Jane, consisting of 189,0001, in sums of 1001., bearing interest at 6 per cent, payable at option in Melbourne or London. Tenders were accepted for 70 debentures, due Jan., 1853, and 130 das Jan., 1859, together 300, at 1632, 23. 8d., taken up for London account; and 1000, due in equal proportions, 1833, 67, at 1051, 08, 64, taken by the Savings Bank for local investment. The remaining 600, due 1866, 61-82, were subsequently disposed of at 1034, 1031, 58., and 1044, respectively, and were bought chiefly for colonial account. The Government have proposed, and the Legislature will probably sanction, a further loan for 1837, of 700,0001. Of this amount, 640,0001, is for the prompt procedure with the main trank of the Mount Alexander Rail way, and 60,0001 for the total cost of the patent slip now being completed at Williamstown, 33 miles, on June 26 last. The completion of the line to Melbourne depends on the Government construction of the Melbourne and

The Independent, a Western Australian journal, alludes to great mining progress in that province, and says that the shares in the Wanerooka Mine are now unattainable at 100 per cent. premium—a rapid advance for the short period that they have been issued.

From Tasmania, we learn that the yield of the precious metal is increasing in the Fingal gold fields, where the gold was nuggetty and rough, some of the pleces weighing 5 or 4 dwts. The remainder of the diggers were at the lower guilles, and were doing well; in fact (says the letter), "swe are all doing well at present." Other discoveries near the South Eak river have been made, where one feature, peculiar to this amongst the many localities in which gold has now been discovered in Tasmania, is the occurrence of tin ore with the precious metal.

4.—To determine whether the registered offices and the affairs of the company are to continue and be conducted in London.

There was a numerous attendance of shareholders.

Mr. Winkwork, the late Chairman of the board, stated that by the Articles of Association of the company a special resolution was necessary in order to resolve any director from office, and, consequently, without the voluntary set of the directors it would require the votes of three-fourths in number and value of the shareholder present in person, or by proxy, and the confirmation of such resolution by a subsequent meeting, in order to effect a change in the present management; but in order to leave the hands of the shareholders wholly unfettered, the directors had unanimously resolved to vacate their seats, so that the votes of a simple majority might operate. The first duty of the meeting would, therefore, be to clock a Chairman. Mr. Jounsrow proposed, and Mr. Thourson sconnied, that Mr. Thoe. Winkworth take the chair.

Mr. Wenn requested that his name might be withdrawn, and that he should have great pleasure is supporting the resolution, which was thereagon carried unanimously. Mr. Wenner and the chair, the Sucanzany read the notice of one of the shareholders to take the initiative in the matter. In addition to the directors forming the head to business to be transacted read, and it would be for the shareholders to take the initiative in the matter. In addition to the directors forming the head to business to be transacted read, and it would be for the shareholders to take the initiative in the matter. In addition to the directors forming the late bonder of the case, disbeleving association, which was the resonance of the case, disbeleving association and the case proceed to business. It was always his desire in meeting has been applied with; and, after giving judgment for the plaintif, for claim and costs, detained the definition of the shareholders to take the initiative in the matter. In addition to the directors forming has pologised

MINING IN IRELAND.

[FROM AN IRISH CORRESPONDENT.]

Several excellent articles on Irish Mines having recently appeared in your valuable Journal, I will thank you to insert the following remarks:—Your able correspondent very truly states that the capital subscribed for working Irish mines seldom found its way to the mines; and hence the disrepute into which Irish mines have been brought by speculators and jobbers in shares. Now, if we look at the mines of Ireland fairly and impartially, I think there will be no difficulty in convincing those most opposed to Ireland and such mines that they rival some of the beat mines in England. Some would-be wise men, I am aware, are to be found who will gravely tell you that Irish mines do not last in depth; but, as one fact is better than a hundred assertions, let us come to facts.

In the Journal of Sept. 26, we see that the sales of copper ore during the last quarter, ending Sept. 1, from the Berchaven Mines (Co. Cork), amount to 22,9094. Is. 6d. This mine is about 200 fms. deep, and I believe I am correct in stating that the above is about the average return for the last 40 years. This splendid mine is found in the prevailing clay-slate formation of the counties of Cork and Kerry, and is the only mine in the county of Cork which has been proved in depth.

The Audley Mine (Cappagh), I am informed, was worked many years ago to a depth of 80 fms. from surface, and produced considerable quantities of rich copper ore; and if credit is to be attached to the sworn affidavits of several practical miners, there is now a good course of ore in the 80 fm. level.

To the west of, and adjoining, the Audley Mines is the Dreenatra pro-

the 80 fm. level.

To the west of, and adjoining, the Audley Mines is the Dreenatra property, recently purchased under the Incumbered Estates Commissioners by Thomas Hicks, Esq., M.D. A few years since, 60 tons of copper ore were quarried from surface on the property, and sold in Swansea; but the mine was given up, in consequence of the illiberal terms offered by the

were quartied from surface on the property, and sold in Swansea; but the mine was given up, in consequence of the illiberal terms offered by the former proprietor.

West of Dreenatra, and on the same run of lodes, are the Coosheen Mines, which have produced about 20,000%, worth of copper ore. The deepest point reached in these mines (on one of the slides) is 36 fms., and the main lode has been worked only about 18 fms. below the deep adit, where it is regular and continuous, if not increased in size.

In the Ballydchob Mine, Crookhaven, Brow Head, Mizen Head, and others, the workings have not yet reached the sea level; while some of them have made considerable returns, and the others present such indications as to warrant their being proved in depth.

Having shown what the deepest mine in the county of Cork has done, as well as what has been the result from those mines which have been worked to a shallow depth, and what may fairly be expected from their prosecution in deeper levels, let us look at the last quarter's returns from another deep Irish mine—Knockmahon Mine, Co. Waterford, 6873%. This mine, I believe, is about 200 fms. deep, and has made a profit of 200,000%, and still flourishing, under the able management of Capt. Wm. Paul.

Near Bantry, some valuable deposits of silver-lead ore have been discovered; and considering the depth at which they have been worked (8 fms. from surface being the greatest depth), comparatively large returns have been made. A steam-engine and appliances were sent to one of these mines, and the proprietors determined to give it a fair trial; when, lo and behold! some official in London, one fine morning, was missing, with all the capital, amounting, as I am informed, to some thousands of pounds. The result was, as might have been expected, that the engine and materials were sold for a mere trifle, the company was broken up, and the shareholders, no doubt, attribute their loss to Irish mines; whereas the "job," as I could mention with regard to several other companies formed to

MANUFACTURE OF IRON-DESULPHURISING.

[From Mr. S. B. Rogers's forthcoming "Treatise on Iron Metallurgy."]
With respect to the extra cost in labour and materials, should there really be any, which in many cases I very much doubt, for realising the advan-

be any, which in many cases I very much doubt, for realising the advantages referred to (desulphuretting of the materials), it would be repaid probably a hundred times over in the improved market value of the several iron results, and in the husbanding of raw materials. Hence, whatever this apparent "extra cost" may be (waving all doubt upon-the subject), it ought not to be reckoned an impediment or difficulty by any means in the way of our modern ironmasters, whose money capital may be said to be unlimited; for, to expect to reap the benefits here alluded to without investing, or temporarily advancing, the necessary capital required for that purpose, would be 'the same as a farmer expecting a good crop of wheat or other produce from his farm without first of all sowing or planting the proper seed, and duly manuring and cultivating his land; such a man would be called by universal consent a bad farmer. The inference need not be written. If ironmasters would, therefore, fairly act up to the other produce from his farm without first of all sowing or planting the proper seed, and duly manuring and cultivating his land; such a man would be called by universal consent a bad farmer. The inference need not be written. If ironmasters would, therefore, fairly act up to the "principles" here referred to in the management of their several manufacturing processes, there is nothing in a manner but what they may with comparative ease accomplish, with respect to the qualities and quantities of their finished results, for they have ample means, materials, apparatus, and opportunities at their command; and if mental improvements should be required in their several technical agents towards realising the perfections alluded to, why it is the duty of the ironmasters, as well as their sepsecial and particular interest, to place a knowledge of such improvements within easy reach of their agents respectively.

[ADVERTISEMENT.] DR. MUSPRATT'S DICTIONARY OF CHEMISTRY.

TO THE EDITOR OF THE MINING JOURNAL.

Sin,—In answer to numerous enquiries, I beg to say, through the medium of you aluable Journal, that if my "Dictionary" is to be finished with articles as com-

College of Chemistry, Liverpool, Oct. 1.

"DR. MUSPRAT'S DISTONARY OF CHEMISTRY."—The publisher of this work has received the following highly complimentary, letter from Dr. Normandy, one of the leading chemists here, and author himself of various works of note:—"Allow me to thank you for the copy of Dr. Muspratt's great work, which you were good enough to send to me. To speak of the merits of that great publication is now quite superfluous, and the unprecedented favour with which it has been received by the public is evidently due to the fact that, although the chemical and manufacturing world was already in possession of various cyclopedias and dictionaries of a similar nature, Dr. Muspratt's work is by far the most claborate which has ever appeared in this country, in France, or indeed, as far as I know, anywhere else. Being practically acquainted myself with several manufactures, I have great piesure in bearing testimony to the securacy of the descriptions given by Dr. Muspratt'n hie extraordinary work, which is a perfect monument of patient observation, of extensive and minute knowledge of the arts and manufactures—a work alike remarkable for the immense number of subjects which it aiready contains, for the clear, alaborate, and reliable manner with which the various chemical and manufacturing processes are described, and for the beauty and correctness of the numerous engravings by which it is illustrated. Wishing you every prosperity in this most useful undertaking, I remain, dear Sir, yours very faithfully—A. NORMANDY."

MINING IN NAPLES.—During the last year, notwithstanding the unfavourable aspect of the political horizon, some progress in mining has been made here At Gerace, coals have been successfully worked. At Mongiana and Ferdinandea within the last six months, 30,000 tons of iron ore have been raised. In the Appenin range, at San Donato and Campell, in the same period, 40,000 tons of good hydrates oxide of iron have been got; and, were a more liberal policy inaugurated, and a mides tariff practised, the capabilities of this rich, but neglected, country, would soon be of developed as to place the Two Sicilies in a respectable position among the minera kingdoms of Europe.

kingdoms of Europe.

By the West India Mail, we learn that a commission, consisting of the Hon. Dr. Blair, Sir W. H. Holmes, Mr. W. H. Campbell, and Mr. M'Clintock, have proceeded on a tour of exploration through the interior, with the view of reaching the gold misses on the River Yuruari. The commissioners purpose ascending the Waini until they come to the Barama, up which they will proceed in their battanax to its source. From that point they will strike across the country to the Cuyuni, and then track up that stream to the confluence of the Yuruari. They will assend the latter river until they come to Tupuquen, the site of the gold misses. They are expected to return in about six weeks. Another party will probably proceed shortly on a prospecting tour among the Pacarsims Mountains. A gentleman had arrived from Venezuels, bringing with him shout 15 oss. of gold. He represents the gold to be abundant, and the mining operations as being carried on in the most primitive fashion.

MINING NOTABILIA.

[METRACES PROM OUR CORRESPONDENCE.]

LACKAMORE NEW MINING COMPANY.—This adventure, which was recently wound-up in the Court of Chancery, has been remodelled, Messrs. John Taylor and Sons having purchased, under an order of the Court, the mine, leases, buildings, machinery, materials, and over brokes, and have announced it as a limited company, with a capital of 30004. In 2500 shares of 24. each. The mine is well situated in the county of Tipperary, about 15 miles from the port of Limerick, and 4 miles from the town of Newport, to both of which places there is an excellent road. Considerable quantities of rish copper ore were formerly obtained, the sake at Swanses, from 1837 to 1850, showing that 3780 tons were sold for 32,4004, and that the average produce was 10% per sent, of fine copper. Operations have already been actively resumed under Messrs. John Taylor and Sons as managing directors, and a fail report of the present working will be found in the Journal of Sept. 12.

Thelaway,—On Friday last, 90 tons of rich silver-lead orse were sampled, for sale this day (Out. 3). The increase in quantity has aftern from a tribute pitch on the total ground, takes by two men, who have been fortunate enough to make a discovery, which will give them full 1004, each.

Audley Mines (County Cork).—A shipment of ore was made last week from the mines of Horse Island and Ballycammisk, some of which yielded 70 per cent. fine opper and 33 oxs. sliver to the ton. This is the third shipment within nine months. A steam-engine for pumping is now being erected at the latter mine, and the adventurers are in high spirits at their prospects. It is reported to be richer than any of the other mines in this cluster; and it is really remarkable that these mines, which are yielding so well, should have been closed for twenty-five years, for want of adventurers.

DEVON GREAT ELIZABETH COPPER MINE.—The discovery made here in the adit level, the size of the lode, and its general character, is one of the most important events of the day, and fully supports the most sanguine expectations of the proprietors. A company is in course of formation; the majority of shares are already taken, and Mr. Nicholson, of Old Broad-street, appointed secretary. The facility for working is of the greatest advantage, inasmuch that any amount of water-water can be obtained from a large and never-failing river.

Worth Roskear.—The 164 fm. level west is still opening into a rich course of copper ore, now worth 80, per fm. The other parts of the mine are looking exceedingly well at several points, and an improvement has taken place in the 50 cast, on Parkanbowan lode, which is producing copper ore, worth 20. per fm.

North Wheal Cropty.—The tin ground in the deep part of the mine has improved, in consequence of which, and other improvements, a profit will be shown at the next audit of accounts.

North Frances.—A discovery of a most promising description has been made in this mine. In the bottom of the 65 fm. level a lode of yellow copper ore, if ft. wide, turning out 154 ton per fm., has been out. In the 78 the lode produces I ton per fm. of grey, black, and yellow copper ore intermixed, being the same description of ore from which such large profits have been given in the neighbouring mines of North Basset, West Basset, and South Frances.

West Stray Park —The lode in the 43 fm. level geat has much improved.

ines of North Basset, west Basset, and South Frances. West Straay Park.—The lode in the 43 fm. level east has much im-roved, and is now worth 25t. per fm.; the same level west is worth 10t. per fm.

At the Taliesin Silver-Lead Mine (Cardiganshire), the workings have been resumed. A shaft is now being sunk in the low ground between the island on which the works are now being carried on and the mountains on the east, and from the highly favourable indications of the lode at 3 fms. from surface, very important results are anticipated. The lode has been laid open at surface for about 20 fms.; it is from 3 to 4 fms. wide, and is composed of killas, with a beautiful spar and blende, intermixed throughout with spots of copper and lead ors. In the opinion of the most competent mining authorities, this lode will yield large deposits of lead ors at a lower level, as it is being sunk upon at a point where all the other lodes in the sett converge. A parcel of ore is now being dressed, which will be sampled for market next week.

COPPER HILL shares have been in demand, and have changed hands at 801. to 2001. per share.

ALPRED CONSOLS, after having receded to 111. 15s., sellers, during the yeek, advanced suddenly to-day to 131. 10s. buyers, owing, it is presumed, to an improvement in the mine.

Success To The Deserving.—It was interesting to me to see announced in your last Journal that operations were again being resumed in the great Tywarhaile Mines. Being a near resident for upwards of 30 years in the locality, I was encaged during that period as a tutwork and tribute worker in the Tywarnhaile, South Winesi Towan, Wheal Ellen, and other adjacent mines. Having worked in Tywarnhaile especially, even to the late suspension, I am able to express my opinion that the present proprietors have not embarked in a more speculation, but, as I consider, in a sure and certain investment; and they will be quickly repaid on the mine being drained of water. The works being conducted under the efficient and economical management of Capt. Jule, with a well-selected staff of active, industrious, real-dent agents, to execute the orders of the local manager, conjointly with their own personal duties, I am quite estified the Tywarnhaile Mines will pay ample and durable dividends. Few mines will surpass it in returns when furnished with the necessary plant for a vigorous prosecution, which, I believe, is now determined on.—
P. Hawke: Sept. 30.

'. HAWKE: Sept. 30.

TEWARNHAYLE.—The cylinder, boilers, and heavy portion of the 70-in.

ngine, have been delivered on the mine, and the engineers will now commence to

eave the engine in its place. The tributers' take has expired. Copper will now be

sized for market. The mundle will be dressed, and about 100 tons per month can

e shipped. The buildings are completed, and operations progressing favourably.

be shipped. The buildings are completed, and operations progressing favourably.

From South Boo Minn, Capt. J. Morris reports that the lode in the end in the 45, diving south, is increasing in size, being now about 1 ft. wide, interspersed with lead ore; but the ground continues hard for driving.

The extraordinary fluctuations in Kellus Bray were recently noticed. In Norra Tavy, the shares were a few days since a drug on the market at 2s. dd.; there are now buyers at 15s., and, according to the report, the lode is worth 40, per from, and a greater rise is expected to take place; in fact, the district is recovering from the late disrepute occasioned by over speculation.

The SLUNEN VALVE MINN (near Tavy) has been introduced by some content of the state of the st

The Silver Valley Mine (near Truro) has been inspected by some of the principal agents in the county, who have given very satisfactory accounts of its rospects. The settle adjoining Penhaldarva, which is looking very promising, and under the management of Capt. Pope, of Wucal Basset.

Alfred Consols.—It was reported yesterday that Capt. Chas. Thomas Dolcoath, had inspected this mine: in consequence of which, as well as an improve ent having taken place, shares were enquired after, and rose considerably in value

ment naving taxen place, snares were enquired after, and rose considerably in value.

WHEAL JEWEL (Tregony) comprises a sett upwards of half a mile in length, and about 120 fms. in width, on the course of several lodes, in a bed of soft killas, held for 21 years, at 1-20th dues. Three of these lodes have been discovered, two of which are now being worked, and are found to be from 3 to 4ft. wide, at 5 fms. below surface. Capt. John Tonkin, of Dolcoath, has inspected the mine, and reports favourably upon its prospects.

COSHERN MINE (Schull Bay) has been purchased, and, it is said, is going to be worked under Capt. Thomas, a steam-pump being all the expense necessary to commence operations at once. This mine is supposed to be on the same lodes as the celebrated Audiey Mines.

MINING IN JAMAICA.

Extract of a letter dated Kingston, Jamaica, Sept. 10:—"The day before yesterday I paid a visit to Hope Silver-Lead Mines, and was surprised to find the ddwaned state of matters. Tramways are laid down, and trucks of ore are coming down in quick succession; crushing, washing, &c., going on at the dressing-floors, I went into the 20, and found work going on briskly—ore coming out in great quantities. The Hope Mine is un fait accompli. The accounts from Stamford Hill (Clarenden Company), Charing Cross, and Ellerslie and Bardowie, are very good.

renden Company), Charing Cross, and Ellerslie and Bardowie, are very good.

The Clarendon Consolldated Mining Company (Sept. 9), —Capt. F. C. Harpur writes:—Our progress since my last report has been, on the whole, favourable. In the 46 north-east the lode presents a more encouraging appearance than it did in any of the upper levels at the same distance, thus showing that the lode is concentrating and becoming stronger as we go down; at the present point of operation it is about 3 ft. wide—well-defined, and carrying some good stones of yellow copper ore; in the same level, south-west of shaft, the lode is large, and continues to look favourable, composed of porphyry, with a large quantity of iron, mundic, and some copper ore; by extending this level some distance further, we expect to intersect a cross lode or branch, which is known to traverse this part of the mountain, and which may, at the point of intersection, have a beneficial effect on our lode. At the shaft slaking below the 46 we are pushing onward as fast as the nature of the ground will admit of; the lode continues large, and the matrix very congenial indeed, thickly impregnated throughout with yellow copper ore; it is, however, just now hard and troublesome for sinking. The ground in the 55 cross-cut is still hard for driving.

WHEAL JAMAGE COMPANE COMPANN — Return of work will show the

WHEAL JAMAICA COPPER COMPANY,—Return of work will show the progress in the different parts of the mine, and the quantity of ore raised and dressed. There are now in Kingston, ready for shipment, 30 barrels; and at Old Harbour. 25 barrels; besides upwards of 10 tons on the dressing-floors, which will be got down with as little delay as possible. I hope in my next to advise the name of the vesse by which the succeeding shipment will be made; in the meantine, you will alway, keep open a policy of insurance on ship or ships. The mine is looking equally well as last reported, without any variation requiring particular comment.

ELLERSLIE AND BARDOWIE MINING COMPANY.—The intelligence respecting the lode is, I am happy to state, not only confirmed, but a further improvement has taken place within the last few days. In addition, we have commenced
sinking on the lode from the No. 3 to the steep cross-cut, under which you are aware
Parry's cross-cut is now being driven, at an increased depth of 21 fms. By the mail
steamer of the 26th inst., or oct. 11, I hope to send you a further copy of the ground
plan of the operations to date, from which you will obtain a clearer idea of what has
been done than the best verbal description could afford.

BIO GRANDE MINING COMPANY.—Experiment Cont.

been done than the best verbal description could afford.

RIO GRANDE MINING COMPANY.—From Capt. Arthur, Sept. 7: I have commenced to break ore, and to drive east on bottom No. 3, where we are getting out good stones of ore, but the water is very much against us, as we are working in the bed of the gully. I am also breaking ore from the bode on Brookdale, which lode I call No. 5, and is the same from which the ore came that 'pielded 23½ per cent. of copper and II ozs. of silver to the ton. The cross-out now driving to intersect the lade on Lawrance-field is in about 13 fathoms; the ground is very hard and slow for driving; the strata are stained a little with green carbonate, and I think we are not far from the lode. I have found some rich bunches of yellow copper ore in the bed of the back Rio Grande. I have sent you a some stones that I broke from this, as a sample. I have also sent you a stone thickly interspersed with very fine gray ore, that I broke from the large rooks found on Cooper's Hill, which I think will do to ship to England.

The over received from Jamaica per John Griffin, Swiff and Bellous have

The ores received from Jamaica per John Griffin, Swift, and Bellona, have been sold, and the arrival of the Piones with a further quantity is expected. Private advices fully and completely confirm the successful progress of copper mining in the stand.—R. Hastie Wilson and Co.

FOREIGN MINES.

The Linares Mining Company have received advices to Sept. 18:—
Poso Awaro Mirás.—West of Engine-shaft: The lode in the \$5 is unproductive. The lode in the 75, west of Ramos' winze; it worth \(\frac{1}{2} \) at on per fm. The lode in the 75, rest of Ramos' winze; it still disordered by the erces-course, and does not contain lead enough to value. Warse's engine-shaft has declined, and is now worth I ton per fm., and for shaking. The \$1, west of shaft, is worth \(\frac{1}{2} \) ton per fm. The lode in Diego's winze, under the 20, contains spots of lead, but not enough to value.—East of Engine-shaft: The \$5, east of Navarc's winze, is worth I ton per fm., and promise further improvement. The lode in the 75, east of Shaw's shaft, is very large and hard, producing about \(\frac{1}{2} \) ton per fm. The lode in the 56, east of Younge shaft; The 50, east of The 10 feet in the 75 east of Thorn's event I \(\frac{1}{2} \) ton per fm. The lode in the 56, east of Younge shaft, is worth I \(\frac{1}{2} \) ton per fm. The lode in the 58, east of Thorn's elast, is worth I \(\frac{1}{2} \) ton per fm. The lode in The 58, east of Thorn's elast, is worth I \(\frac{1}{2} \) ton per fm. The lode in the 58, east of Thorn's elast, is worth I \(\frac{1}{2} \) ton per fm. The lode in the 58, east of Thorn's elast, is worth I \(\frac{1}{2} \) ton per fm. The lode in the 50, east of Thorn's elast, is worth I \(\frac{1}{2} \) ton per fm. The lode in the 50, east of Thorn's elast, is worth I \(\frac{1}{2} \) ton per fm. The lode in the 50, east of Taylor's erose-out, is large, and contains stones of isad, but not enough to value.

Norn's Loss.—The lode in the 43, east of Antonio's winze, sithing under the 45, has greatly improved since last report, and is now worth 4 ton per fm. The end in the 45, east of Antonio's winze, sinking under the 45, has greatly improved since last report, and is now worth 4 tons per fm. The end in the 45, east of Antonio's winze, sinking under the 45, has greatly improved since last peopt, and is now

is worth 2 tons per fin. The tribute pitches throughout the mine are looking moderately well, and the surface operations are proceeding astisfactorily.

The Fortuna Company have advices from their agents to Sept. 21:—
Cavana Incora.—West of Taylor's Engine-shaft: The lode in Oveido's winze, below the 2d level, east of O'Shea's shaft, is 2 feet wide, worth 1½ ton of lead ore per fin. The orose-out south, on the west of the cross-course west of O'Shea's shaft, is now 4 fins. 4 ft. 11 in. south from main level. We have not met with any lode or branch in the driving as yet, but there is a stream of water issuing from the end, which we expect is coming from the lode further ahead. The lode in the end of the 4th level, west of Caualidad winze, is worth 1½ ton per fin. The lode in the 6th level, exet of El Clavel, is at present small—value ½ ton per fahrom. The lode in the 6th level, east of El Clavel, is at present small—value ½ ton per fathom. The lode in the 6th level, east of Addis shaft, is yielding ½ tons of lead ore per fathom. The lode in the 6th level, east of Addis shaft, is yielding ½ tons of lead ore per fathom. The lode in the 6th level, east of San Francisco winze, is at present unproductive.—East of Yaylor's Shaft. The lode in the Sth level, is worth 2½ tons per fathom. The lode in the 6th level, east of Fortun winze, is at present unproductive.—East of Yaylor's Shaft. The lode in the Speranna winze is sorth 1 ton per fan. The lode in the 6th level, east of Fortun winze, is at present small and poor. The lode in the 6th level, east of Fortun winze, is at present small and poor. The lode in the 6th level, east of Fortun winze, is at present small and poor. The lode in the 5th level, east of Fortun winze, is at present small and poor. The lode in the 6th level control of Fortun winze, is at present small and poor. The lode in the 6th level, east of Fortun winze, is at the second of the small passed through as small arose-course, which has disordered the lode.

Los Salinos.—Morris engine-shaft is down belo

Total 20,573 (868-8 2-969 Cost Market Market

shough at one time we expected that all would have been ready by the end of the present month. The pillar of manonry in hand at the Canbeirs is making good progress. Explorations,—At both the 20 fm. level and at the Timbuctoo these have been carried on, but still do not give any decisive result, being sometimes more and sometimes less promising.

Paata.—The Illingworth stamps continue to work very regularly, but the produce is under that of last month. The stuff from the river is still mixed with much clay, and the fresh sand coming down from the primary stamps necessarily partakes of the inferior quality of the stone. Within the last ten days we have been able to put more force (carpenters) to the second set of stamps, but cannot yet do much in smiths' work. Gold extracted to date, 6417 oitavas, being 6263 oitavas from 555 cuble feet of sand result of 10 days' stamping), yielding 11-26 oitavas per cuble foot; and from 2400 tons of stone, equal to 2-609 oitavas per ton; and 154 oitavas from the Prain.

The Pontgibaud Mining Company have advices from Captain Rickard to Sept. 28:—Rouza: The 80 metre level, north of St. Mary's shaft, on St. George's lode, is still looking promising, turning out about 1½ ton of ore per fm. The sdit level, south from Anna's, on St. Mark's idee, is still looking promising, sturning out about 1½ ton of ore per fm. The sdit level, south from Anna's, on St. Mark's idee, is still looking well, and yielding 2½ tons of or per fathom; this we consider a good discovery, being in virgin ground, and possessing every advantage we could wish for working. Since my last we have intersected a lode driving cast from St. Peter's shaft at the adit level; it is 2½ ft. wide, of a promising character, and containing ore sufficient to pay the 'cost of driving the level. Agines' engine-shaft will be deep enough for a 30 metre level under the adit in a few days, and we hope to have soen it: the part carried in the wine 23 ft. for of ore ground. We are now under the old workings altogether, and find the lode

Mr. R. Tredinnick, of Gresham House, furnishes us with the follow-

Mr. R. Tredinnick, of Gresham House, furnishes us with the following information:—

The market for shares in British Mines is active, although the extent of business transacted is not much augmented. A fair demand exists for shares in Buller, East Alfred Consols, North Frances, Margery, South Carn Brea, North Basset, Buller and Basset United, East Folgus, Old Toigus United, and the Great South Toigus Mines. The prospects of the whole are good, the discoveries made sound and permanest in character. Capital has been expended in the development, machinery creeted, and fature calls will prove trifling and remots,—in fact, it is from such progressive properties that large sums of money are frequently realised apone comparatively small investments. Tin has fallen temporarily 31, per ton, which necessarily affects the large producing mines; parties, however, conversant with supply and demand, prognet, Providence, St. Ives Consolo, Great Work, Levan, Botallack, Carn Brea, Dolegath, Tincroft, and Par Consols, are confident of maintaining existing dividends, the reserves of ground unwrought being impense in the several mines. North and South Crofty, with North Bowns, South Goriand, Stray Park, Camborne Vean, and Carnewas, are selling at low prices, and it is highly probable that a slight decline in current value will be observed in the movement is that netsl, which has been more than anticipated in the fall in price of Basset, South Frances, North Hasset, Condurrow, and other important mines. The discoveries at East Basset and Copper Hill have, however, inspired great confidence in legitimate mining enterprise; and it is with much satisfaction that we spain direct attention in the my maining non-dividend, yet progressive mines, in the Baller and Basset districtional most productive. Wheal Green Market Scattenion is them, and the few remaining non-dividend, yet progressive mines, in the Baller and Basset distriction, and it is to be regretted that the lode, when intersected, will be found most productive. Wheal Green Mark

lopment of the latter.

Mesars. Vivian and Reynolds, in their weekly circular, report that:

Mining shares do not appear to have been so much affected, by the stringent state of the money market as railway and other descriptions of stock; and this may be attributed, they think, partly to the fact, that however much meney may be in demand, copper, tin, and other metals are in equal request, and therefore command extraordinarily high prices; and since owing very considerably to the more general recognition by the moneyed part of the community of the soundness and legitimacy of maining enterprise, when condusted with the ability and integrity which characterise the first-class mining man of the present day.

Mining Correspondence.

BRITISH MINES.

BRITISH MINES.

ALFRED CONSOLS.—M. White, T. Trelease, T. Hosking, Sept. 30: There is no hange to notice in the lode at Field's engine-shaft, sinking below the 150. The lode in this level, eact of this shaft, is 3 fix. wide, unproductive. The lode in the 130, west fithis shaft, is just as for some time past. The north lode in the 120, east of Davey's agine-shaft, is worth for copper ore 61, per fm. The main lode in this level east is in proving, it will yield from 2 to 3 tons of ore per fm., worth about 64, per ton; this well is just mow getting under the run of ore ground in the 100. The 110 is communicated to Davey's engine-shaft, on the north lode; the men are now outling ground r road, in order to drive east on this lode, where it silly leid 15 ton per fm., worth U.; we shall in a course of a week from this time is ready for driving this level east it he main lode. The south lode in the 120 is about 3 g. ft. wide, looking promising, he main lode in the 100, east of this shaft, is worth for copper ore 95, per fm. This fee in No. 1 winze, sinking below the 100, is warth for copper ore from 50. to 60. r fm., and in No. 2 winze it is worth 60. per fm. This lode in the 90 east has a omisting appearance, and is producing stones of ore. All the other parts of the mine past.

BALLYMONEEN.—W. Barkla, Sept. 26: The 15 communication.

are just as for some time past.

BALLYMONEEN.—W. Barkia, Sept. 26: The 15 cross-cut, driving north, is driven through sulphur ground apwards of 6 ft., but we have not yet out the sulphur course opened on in the adt level, but hope to do so next week; driven since last report 1 fm. 0 ft. 4 in.: total driven, 15 fms. 5 ft. 2 in. The 15 cross-cut, driving south, is producing branches of spar and stones of copper, driven since last report 4 ft.: total driven, 14 fms. 5 ft. 3 in. The lode in the adit level west is mineralised throughout, but nothing to value at present: driven since last report 1 fm. 4 ft. 9 in.: total driven, 16 fms. 4 ft. 9 in.

BALLYVINGIW.—D. Paller. Sept. 20.

driven, 16 fma. 4 ft. 9 in. : total BALLYVIRGIN.—B. Peliew, Sept. 21: There is not so much spar in the bottom of the engine-shaft as when reported on last week, but there is a little increase of water, and it is producing some rich stones of cooper ore. No. 1 stope will yield 1½ tons of copper ore and 15 awts. of lead ore per fm. No. 2 stope will yield 1½ tons of copper ore and 15 awts. of lead ore per fm. The rice will yield 10 awts. of lead ore per fm. Capt. Hellaway has commenced crushing to-day.

BAMPFYLDE.—C. Hand, Sept. 23: We have now found the main part of the new lode, which is from 4 to 5 feet wide, underlying north, with a quantity of iron, the ground becoming more settled, and very promising, though not yet down to the solid rock. We are preparing the keys for shaft wheel, which we purpose getting to work to-morrow. We shall have on next sampling day, to-morrow week, about six tons of ore from the halvans, and about 4 tons from the adits of the Bampfyide and Poltimore lodes, on tribute. The produce of the last lot of ore shipped is returned at 22 per cent.

EEDFOOD CONSOLS.—I Holes. Out 1 to the contract of the last lot of ore shipped is returned at 22 per cent.

and Poltimore lodes, on tributs. The produce of the last lot of ore shipped is returned at 22 per cent.

BEDFORD CONSOLS.—J. Hodge, Oct. 1: Air-shaft: The lode here is full? feet wide, composed of peach and quarts, with good stones of black and yellow copper ore here and there, altogether a fine champion lode, and promises still further improvement: there is, in my opinion, no doubt but this lode will produce large quantities of copper ore a desper points; at present we have but little the stones here and there, yet above the bottom the ground for tin is valuable, and will well pay for stoping. The ground and inde in rise is as before stated. I think we have about 3 fms. more to hole; this is owing to the ground being very troublesome for sinking, the progress has been this month very slow. I cannot positively say whether it is the same lode in the shaft as that in the rise; I think not, although we can hear plainly the men working at each place; when we have drained (say) 2 fms. more we shall be better able to judge. I hope the lode in the shaft is a side lode to that in the rise; yet it will take us a little longer to hole; this we can afford to wait for. Nothing new in any other part. BEDFORD UNITED.—J. Phillips, Oct. 1: The lode in the 149 west is 2 feet wide, producing stones of ore occasionally. We have not as yet cut the lode in the lode in the life one of the side. The lode in the 130 east is in a disordered state, and consequently unproductive at present. The stopes in the bottom of the 115 east will yield from 4 to 5 toms of ore per fm. and in the back of this level to lode is not may be considered state, and consequently in the back of this level countines to produce 4 tons of ore per fm. The lode in the 103 west is 5 feet wide, and will yield 2½ tons of ore per fm. In the 35 east the lode is 2 ft. wide, producing good stones of grey and yellow ore.

BODCOLL.—F. Evans, Sept. 25: The 10 west has been extended 4 feet this weak through a pretty good lode: all along the bottom of the level there are exce

eross-cut now is 27 fms. 4 ft. 9 in. The large defect wheel works well, and is power enough to keep the water at a 40 fm. level.

BOG.—W. Barratt, E. Rogers, Sept. 29: We have made a communication from the Boat lovel to Bunting's shaft, and repaired it for 40 fms. in length on two lodes; there are other levels which we have not been able to commence repairing as yet. In the bask of one of the levels there is a branch of blende ore 9 in. wide, which will give a good profit on stoping; we intend to put some men on this ground as soon as we can get a sufficient distance cleared in the level to conveniently do so, and when there are a few fathoms more cleared shall be able to set several parties to work in the same way. There are at the present time I7 men timbering the different levels, and in a few days will increase that number. We have also six men working on lead ore, and breaking work of a good quality, which will prove remunerative; likewise several men, women, and children, washing the burrows for blende and lead, and paying well for turning over; also commenced taking down the old windling engine-house, in order to have materials for erecting the new one. Things, on the whole, are looking cheering, and we anticipate sending to market the quantity of blende and lead ore we named to you when in town, the proceeds of which will meet Sept. soct-sheet.

BEYNTAIL.—J. Roach, Oct. 1: That part of the lode, 3½ ft. wide, now being carried in driving the 10, east of cross-cut, on morth part of Bryntail lode, consists of a large quantity of blende, suiphur, and barytes, intermixed with lead ore throughout; we shall undoubtedly find good deposits of ore on further opening on the course of the lode. The cross-cut has been driven on the north part of the lode 6 ft. There appears to be a horse of ground between the north and south part, the latter is from 18 to 20 ft. in width. In consequence of the level now driving presenting such very fattering appearances, I purpose extending it further east previous to cross-cutting

In conserved the shall have the engine home in the same as last home on Saturday.

I hope we shall have the engine home in the stopes are just the same as last reported. The lode in the 60 end, driving west, is not looking so well. No alteration in the 50 fm, level, driving west, since my last. Pwilthrynaid shaft is eased, divided, and a good footway put in from the 50 to the 60, and we are drawing the stuff from that level, which levels must be driven with all possible dispatch as soon as a plat or lodge is cut. We finished dressing the 40 tons of lead or on Thursday last.

lodge is cut. We finished dressing the 40 tons of lead ore on Thursday last.

CALSTOCK CONSOLS.—W. B. Collom, R. Dunstan, Sept. 26: The 12 fm. level is driven east from shaft 3 fms., and the lode in this level is opening quite in character with the lode in the winze, which is about 6 feet ahead, and where we have a course of opper ore 3 ft. wide, and worth fail 60; per fm. We have also an improvement in the adit end east, and a very promising lode in the 20, above adit; thus in four point of opperations we consider our prospects of the greatest encouragement, and we are now in a position to commence raising ore from the winze and the 12 fm. level, from which there is every prospect of continuing a series of large returns.

CAMBORNE CONSOLS.—W. Roberts, Sept. 20: There is no alteration to notice since last reported.

since last reported.

CARADON CONSOLS.—W. Rich, Sept. 30: Since last report, we have removed a arge portion of stuff from the soiliar over the morth shaft in the adit level; we find he shaft just below this place very weak, but the men samot get down to secure it or want of air. We hope very shortly to convey down a fresh supply by means of sipes, which are being put in as fast as possible for that purpose. We are still clearage the 35 fathoms level north, and shall continue to do so a far as we think it safe. Svery effort will be made to put other pitwork without delay, but it will take some ittle time before we can get the whole of it on the mine. At the boundary land, the complainty is a supplementally.

boundary lode appears to be sgain taking its usual course, as also going down more perpendicularly.

CARVANNALL.—W. Roberts, Sept. 29: At the engine-shaft, sinking under the 118 fm. level, the lode is 1½ ft. wide, composed of crystallised iron, mundic, and a little ore. In the 86 west the lode is 2 ft. wide, umproductive. In the 76 west the lode is 3 ft. wide, principally mundic, soft spar, and a small quantity of ore.

CARVATH UNITED.—R. Hancook, Sept. 29: The east adit level is driven west of the shaft about 12 fms on the lode; the lode is from 2 to 3 ft, wide, producing good work for itin, and of a promising character; we have oleared the level east 8 fms.; in the bottom of this level we have found a sink made by the old workers, which we have cleared up; we find also in this sink good work on the lode. We are about to clear the level farther east on the course of the lode, and by doing so we shall be able to say more about it shortly. From the engine-shaft to the end driving west from the castern shaft is about 500 fms. on the course of the lode; if the lode opens out as well as it is now looking it will make a large mine. When this lode is dialled up we shall be able to say how far north it is of the lode in the old mine; I do not think it is far, but if so we ought to drive north, to cut it as soon as we can. I believe that is far, but if so we ought to drive north, to cut it as soon as we can. I believe that is far, but if so we ought to drive north, to cut it as soon as we can. I believe that it is far, but if so we ought to drive north, to cut it as soon as we can. I believe that it is far, but if so we ought to drive north, to cut it as soon as we can. I believe that it is far, but if so we ought to drive north, to cut it as soon as we can. I believe that it is far, but if so we ought to drive north, to cut it as soon as we can. I believe that it is far, but if so we can be the saging of work in a hout three or four weeks from this time. We have been improvements in the drivening in the engine with al

or crush with. We have had some few showers the last few days, but they have made in the tittle water.

CAPHERINE AND JANE CONSOLS.—J. Treweek, Oct. 1: The lode in the deep addit and is grastly improved, and will produce full 25 cwts. of lead per fm. I never as we amore kindly lode than this is at present, and it offers every chance for making a regular course of ore, which I think we shall have in a short time. The stopes are producing much the amne as for some time past. No. 3 winze is olerand near 6 fms. and no water as yet to be seen; the ground standing in the south-east end of the winze is worth from 8 to 10 cwts. of lead per fm. I expect to bottom this winze by to-morrow evening, and will write more fully of its value in my next. I never new the prospects of the mime locking so cheering as at present. Our setting for October came off on Satarday last:—The deep add end by four or at men, at 6. per fm., and 10s. per ton for the lead; stent for the month. To raise and stope in the cross-branch, by four own at 22. 15s. per fm., and 10s. per ton for the lead; stent for the month. No. 3 winse by four own, at 22. 15s. per fm., and 10s. per ton for the lead; stent for the month. No. 3 winse by four own at 22. 15s. per fm., and 10s. per ton for the lead; stent for the month. No. 3 winse to clear and scence, by two men, at 12s. per fm. All other things are progressing satisfactorily.

CEPN GWM BEWYNO.—Sept. 3: The lode in the cross-cut from Taylor's shaft at the 80 end is not cut through as yet, we have cut into several small branches of ore, and have driven into it for about 5 fm. but we do not think that we have reached the main part of the lode as yet, as we saw several small branches to the north, of the lode in the cross-cut into it for about 5 fm. but we do not think that we have reached for the lode in part of the lode as yet, as we saw several small branches to the north of the lode in the stope over this level, so fone, was of shaft, is 6 ft. wide, producing 8 cwts. of ore per fm. The lode is the stope ov

of Taylor's shaft, in 3 fact wide, yielding a little ore, but not to value; this level is being pushed on by four men. The stope over this level, 25 fans. cast of shaft, is producing a lone of ear per fan. The locks in the stope over the same level, 36 fans. west of Taylor's shaft, is producing 12 cwts. of ore per fan. The stope of the same level, 36 fans. west of shaft, is producing 12 cwts. of ore per fan. The stope of the same level, 36 fans. west of shaft, is producing 12 cwts. of ore per fan. The stope of the same level, 36 fans. west of shaft, is producing 12 cwts. of ore per fan. The stope over the same level, 30 fans. west of shaft, is producing 14 cwts. of ore per fan. The lock in the 44, driving cast of Taylor's shaft, is 15 ft. wide, yielding 15 owts. of ore per fan. The lock in the 44, driving west of Taylor's shaft, is 14 ft. wide, yielding a little ore, but not to value; this level is also being pushed on by four men. The lock in the stope over this level, 35 fans. west of Taylor's shaft, is 14 ft. wide, yielding 10 cwts. of ore per fan. The lock in the stope over the st

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being on the mine can be worked at a small cost, and an increase in the returns will place this promising mine in the Dividend List.

GREAT CRINNIS.—E. Shaw, Wm. Woolcock, Sept. 28: The 30 stopes have improved during the past week, now valued at 131, per fathom.—price for stoping 44. 2s. 6d. in 20s. One pitch working is estimated at 91, per fathom, and working at 18s. 6d. in 20s. One pitch working west of Cornish's shaft, in back of the 24, is yielding 24 tons of copper ore per fm., worth 101, per fathom; two other pitches working west of the same shaft, in the 17 and 24 fm. levels, are valued at 61, 6s. per fm. At Danial's shaft we have three pitches working by ten man, which we estimate at 41. 6s. per fm. for copper ore; we have also two pitches working east and west of Catherine's shaft, in back of the 31, per fm.

GREAT HEWAS UNITED.—J. Webb, Oct. 1: Western Mine: The shaftmen are entiting and enlarging shaft-pist at the 90. The lode in the 86, driving cast on the south bode, at Standiey's shaft, is isoking better than we have seen it for some months. The stopes and tribute pitches are yielding their usual quantities of tin.—Eastern Mine: Charles's shaft is isoking better than we have seen it for some months. The stopes and tribute pitches are yielding their usual quantities of tin.—Eastern Mine: Charles's shaft, is isoking better than we have seen it for some months. The stopes in this part of the mines are looking well.

GREAT SHEBA CONSOLS.—J. Spargo, Sept. 20: Kelly Hole Shaft: We have commenced our pist, and in doing so we shall open by the side of the lode, about to the north, and also in the 78 east, in expectation of getting again into ore recommenced our pist, and in doing so we shall open by the side of the lode, about to the north, and also in the 78 east, in expectation of getting again into ore recommenced our pist, and in doing so we shall open by the side of the lode, about the solid productive in inking. The 78 week has been driven on the south branch is poor, and seems to be losing itself i

of ore per fab. The 68 west is now driven 40 fam. from Eales's shaft; we expect to est the erose-course by the end of October, though it is impossible to say to 5 fam. up or down how fat we may have to drive to it; there are, however, indications in the lode of our being near a cross-course. We keep this end going steadily with eix men, heing anxious to begin se coun as possible the cross-cut south to the other leds. We out yesterday into a lode of yellow ore, about 1 ft. big, worth 15t, per fam., I feet north of the main lode in the 66, 4 fam. east of Ealer's shaft; should this lode continue to run separate from the other, it may be a valuable discovery. Although we have had some reverses by the lode being disordered at the shaft about the 73, was are of opinion, from the appearances at that point, that we shall soon be able to give a better account of the lode both in that level and below it.

— P. Hosking, Spot. 25: Serrivo Export.—Ealer's shaft to nine men. We have cut the plat and driven I fam. 5 ft. west and 2 fam. each on the south part of the lode; in the west end the orey part of the lode is I ft. big, producing about 10 no per fam; we shall resume shaking the shaft next week. The 78 west to six men, at 54, per fam; the 76 eact to six men, at 74, per fam; the 65 west to six men, at 54, per fam. The lode is about 2 ft. big, spotted with ore, and kindly.

NOETH TAYY.—R. William's, Oct. 1: We have stamped about 10 tons of the tinstiff from this mine at the Tavy Consols stamps, and in the course of two or three days we shall be able to fully prove its value. I have taken a fair sample of the lode where we shall be able to fully prove its value. I have taken a fair sample of the lode where we shall be able to fully prove its value. I have taken a fair sample of the lode where we shall be able to the fatten, which a voice, to the ore, in the back of the 20, and I find on assay that the staff, as breken, is worth 150 he, of this to the ton, I calculate the lode to turn out 8 tons of staff per fathom, which wo

ing of this as a tin mine.

OLD TREWETHER CONSOLS—WHEAL ROSE.—S. Keast, Sept. 30: We have
not taken down the lode in the 25 end since last reported du; the univers are driving
by the side of it, in order to make better progress; the lode is carrying a good will,
and underlying about 1½ fr. in a fm. The stopes in back of the 25 are improved.

by the side of it, in order to make better progress; the lode is carrying a good wall, and underlying about 1½ ft, in a fim. The stopes in bank of the 25 are improved.

OLD WHEAL BASSET.—Sept. 39: We have not out any more lode in the cross-cut west of the new shaft since we wrote you last; we have put the men to drive west on the part we formerly worked, hoping it will soon improve. We have suspended the side level cross-cut south from the new shaft, and set to drive east on one of the lodes that we cut in the cross-cut, where it produced good stones of copper ors. The flat lode in the sidit level, west of Martin's shaft, is 6 in. wide, producing stones of ore, but not of much value. We are rising and sinking a winze ce this lode from the middle level to the sidit; when this is holed it will make the ground at this place very convenient for working on tribute. We expect to sample next week about 30 tans of ors.

PEMBROKE AND EAST CRINNIS.—J. Dale, G. T. Trewren, Sept. 29: The 162 cross-cut, driving north and south from Ball's shaft, is progressing (avourably. In the 100 end, east from Smith's shaft, no lode taken down in the past week. In the stopes in the back and bottom of this level, no lode taken down is the place the strength of the stope in the back and bottom of this level, no lode taken down is the later part of this week, and will give you their value in our next. In the stope in the bottom of the 96, east from Smith's shaft, he lode is from 5 to 6 ft. wide, worth from 154, to 184, per fim. We dropped our pitwork about 2 fms. below the 100 on Saturday last, and have commenced to draw the water out, which we hope to do very shortly.

worth from 134. to 184, per fm. We dropped our pitwork about 2 fms. below the 160 on Saturday last, and have commenced to draw the water out, which we hope to do vary shortly.

PENCOREE CONSOLS.—R. Tippet, Sept. 26: As far as my ideas are of service to you, I beg to state that I fully agree with your orders to Mr. Moaley, not to sink the east shaft any deeper for a time, but drive east under the runs of ore, and work out the backs of the 45 and 55 fm. levels, thus to ascertain the propriety of further sinking. I desired Mr. Mosley to recommend this course, which I think the most pidditions—a principle which has always astnated me since I have sen your servant. As you have discontinued the sinking of Retailsale's shaft, and it is now sunk 4½ fms. below the 45, you may at once drive a level at that depth, west of shaft, under the run of jack in the bottom of the 45 west, about 5 or 6 fathoms of shaft; thus you will prove every foot of ground sunk below the 45, and that in a short time. Your orders as to driving will oblige. The east shaft is sunk 10 fms. 2 ff. below the 45, and the men have commenced driving east. On Monday next we shall commence casing, and divide the east shaft from the 55 to the 55, to get the whim-kibble to the 55 to draw the stuff from the end. The lode in driving is poor in the 55 at present, but we expect soon to get under the run of ore ground.

PENIMALDARVA.—J. Pope, Sept. 26: You are aware that the lode is edut in the bottom of the engine-shaft, which we call the 10 fathom level; the lode is about 5 ft. wide, with a very promising appearance, and a leader of lead ore on the east wall from 15 to 18 in. wide. The wines sinking below the adit, about 30 fms. north of engine-shaft, will produce 2 tons of lead per fm.; on this level would to 50 fms. Which I hope row of the shaft was a short time, the water not being properly drained, until a little more ground is opened on the lode in the 10 fm. lavel. The adit level south of engine-shaft which I hope shortly to have another pareed of lead fo

deal of tin at this point. In the cross-cut driving north from Lambo lode we have not driven through the elvan course as yet—I am expecting every day to do so. An assay of the ore from the edit level gives 19% per cent. of fine copper. Our engine is working well.

SILVER VALLEY.—J. Pope, Sept. 26: In the 23, north of engine-shaft, the lode is 3½ ft. wide, composed of quarts, mundic, and flookan, with small spots of lead. In the 32, south of engine-shaft, the lode is 20 in, wide, with much the same appearance as the north. In the 23, south of engine-shaft, the lode is 20 in, wide, composed of mundic, quarts, flookan, and spotted with lead—a promising appearance for improvement. In the 12, south of engine-shaft, the lode is 16 in, wide, producing good stance of lead in the bottom of the level. In the 22 south we have just ent the east and west course, which can be seen in the level above, and south of which some good lead has been raised. As soon as the water is drained, we purpose sinking a winse, in which we have every reason to expect some good bunches of lead.

SITHNEY WHEAL BULLEEL.—S. J. Read, Sept. 25: The cross-out north in the 80 is being extended as fast as possible, with a little water issuing from the end. The 60 east, on the new south lode, has been driven in the past week 5 ft. 6 in.; the lode is about 18 in. wide, and looking promising. We are expecting daily to communicate the rise from the north engine-shaft over the 60, as we can hear the men now spak from the winne above. The lode in the 50 west is at present poor, being in disordered ground—driven in the past week 3 ft. 6 in. The lode in the stopes in the back of this level, west of cross-cut, is producing fair-priced stamping-work. I am expecting Capt. Byrant here by Monday next, when we shall arrange on the best mode of working the eastern ground.

SOETHOGE CONSOLS.—Jas. Richards, Oct. 1: The 50, east of Hitchins's engine-shaft, having been drained by the 62 below, the sinking of the winze in the bottom of this level (the 50) is resumed; the

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THE MINING JOURNAL.

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with the few ment in the 54 west, and the 54 west, and the 54 size, she lode is 3 feet wide, yielding 1½ ton per fin. In the 54 west, and the 54 size, she lode is 3 feet wide, yielding 1½ ton per fin.

In the 54 west, and the 54 size, she lode is 3 feet wide, yielding 1½ ton per fin. In the 55 west, and the 55 size, she lode is 3 feet wide, yielding 1½ ton per fin.

In the 54 west, and the 54 size, she lode is 3 feet wide, yielding 1½ ton per fin. As the lode is 3 feet wide, yielding 1½ ton per fin. In the state of the 53; and the state of the 54; and the state of

WEST BASSET.—W. Roberts, Sept. 20: On the engine lode, in the 75 west, the lode is 3 ft, wide, very promising, and producing good stones of orc. The 65 west is communicated with a wines show the 17 fts. west of Ferry's abaft; in the present end the lode is ft. wide, worth 20 tons of ore per fm. In the 25 west the lode is 4 ft. wide, worth 10 tons of ore per fm. In the 25 west the lode is 4 ft. wide, word the communicated with a wines show the 25 west the lode is 4 ft. wide, word the communicated with a wine show the 25 west the lode is 4 ft. wide, word the communicated with a word of the communicated with a word of the communicated with a word of the communicated with the with the communicated w

th we have driven through a lade about 3 ft. wide—poor; we are still driving In the 30 cast the lade is 2 feet wide, composed of gossan and spar—pool we holed Nicholla's shaft to-day to the rise in back of the 15. In the tripe

We have holed Misholls's shaft to-day to the rise in back of the 15. In the tribuse pitches no alteration.

WHEAL TRELAWNY.—W. Jenkin, W. Bryant, Oct. 1: Smith's shaftmen are still engaged in catting a plat at the 143 fathom level. The lode in the 132, north of Smith's shaft, is 15 ft. wide, and worth 167. per fm.; in the anne level south it is 2 ft. wide, and worth 167. per fm. in the jam had been been south of Chippendale's shaft, it is 2 ft. wide, and worth 167. per fm. In the 180, north of Chippendale's, it is 15 ft. wide, and worth 167. per fm. In the 93, north of ditt, it is 15 ft. wide, and worth 167. per fm. In the 93, north of ditt, it is 15 ft. wide, and worth 167. per fm. In the 169, north of Tribay mark, it is 5 ft. wide, and worth 167. per fm. in the same level south ware driving in kills by the side of the lode. In the 130 south, the lode is 2% ft. wide, and worth 146, per fm. The stopes and pitches are much as sexal. We sampled on Friday last, the 25th Sept., a parcel of crop lead ore, computed 90 tons, for asle on the 4th instant.

WHEAL TREMAYNE.—R. Williams, J. Williams, Sept 28: At the boundary engine-shaft the shaftmen are engagedeating ground in the 113 for elettern and doors to fat the plunger lift; in the same level, cast on Allon's branches, the branches are stoped of the stope in the back of the same level, as finding low price tinstaff. In the 103, cast of Allon's shaft, on Allon's branches, the branches are one considered by Stores of spar, which are now disappearing, and the ground looking more congenial, the branches are recent as the same level, east and west of shaft, are worth on an average 17t. per fm. The ground in bottom of Allon's branches, are worth of the per fathom; the stopes in back and bottom of the same level, east and west of shaft, are worth on an average 17t. per fm. The ground in bottom of Allon's branches, are worth on an average 17t. per fm.

WHEAL TREVELYAN.—J. D. Osborne, Sept. 28: Yesterday we held our monthly

WHEAL TREVELYAN.—J. D. Osborne, Sept. 36: Testerday we held our monthly ting: —The 50 cross-cut, to drive north from Watson's engine-shaft by eight men, fins, or the month, at 180s, per fm. The 40 to drive west on Richard's lade by four en, 2 fms. or the month, at 80s. per fm. Our tribute department is much the

men, 2 fms. or the month, at 89s. per fm. Our tribute department is much the same as last month.

WHEAL INKON.—T. Glanville, Sept. 30: I have no material alteration to advise you this week. The lode in the 20 fm. level, west of the engine-shaft, is 4 feet wide, mixed with yellow ore.

WHEAL ZION.—J. T. Phillips, Sept. 30: We have broken some very good quality yellow ores on the north lode, in the rise in the back of the 50; the lode is producing about 1 ton of ore to the fm; this shoot of ore appears to be lengthening as it goes deeper. The cross-out towards this point, in the 65, is progressing satisfactorily. In the 50 east the main lode is large, composed of spar, capel, and mundle, with spots of copper ore occasionally. In the 65 east end we have a large lode, letting out a great deal of water; the same remark will apply to the 80 west. We expect the Glebe adit is near the lode, having a favourable change in the ground.

WHITCHURCH DOWN CONSOLS.—H. Hill, Sept. 23: We have sunk a trial-shaft 3 fms. on the newly discovered lode, which is 8 ft. wide, underlying north, composed of splendid gossan, spar, mundle, capel, and copper ore. The stratum is all that can be desired for the production of mineral; this lode is proved of the same character upwards of 40 fms. east and west of the shaft; during the past week this lode has been opened upon west of the river by the Devon Great Consols Company who have proved the continuance of the same lode to be 8 ft. wide, 4 ft. of which is good copper ore. This has caused great excitement in the neighbourhood, many agents have been attracted to the spot, who all pronounce this lode to be the same as that opened upon in Whitchurch Down. A short time since a parallel lode was discovered, taking the same bearing, and found equally productive for copper ore. These lodes are supposed to be a continuation of the river by the Devon Great Consols Company agents have been attracted to the spot, who all pronounce this lode to be the same as that opened upon in Whitchurch Down. A short

sole. It is intended to sink 10 rms. upon the course, which is intenj to yisut a abundance of copper ore.

— J. Lord, Sept. 30: The discovery in the river west has caused much excit meant the lode being found rich for copper ore. Captain Williams and others whare examined this lode are of opinion that it is the same we are sinking upon it whitehurch Down Comsols. We shall lose no time in sinking upon it in the Down and if found as productive, it will enhance the value of the property considerably.

will found as productive, it will enhance the value of the property considerably.

WILLOW BANK.—J. Sanders, Sept. 28: In consequence of the long continuance of dry weather there has been but very little work done in the 30 during the past week, but I am happy to say we have had some showers, which have enabled us to fork the water again. On Saturday morning, being our setting-day, the following bargains were set:—The 30 to drive east by six men, 2 fms. stent, or the month, at 71. per fm. The 17 to drive west by six men, 2 fms. stent, or the month, at 71. per fm. The 17 to drive west by six men, 2 fms. stent, or the month, at 71. per fm. The 17 to drive west by six men, 2 fms. stent, or the month, at 71. per fm. The 50 east has been driven 2 fms. 16 in. from shaft, at which place the lode is from 4 to 5 ft. wide, with a quantity of water issuing from it, strongly impregnated with copper, and has a more promising appearance than last reported. The 30 west has been driven 2 fms. 6 in. from shaft, where the lode is from 2 to 3 ft. wide, rather unsettled at present. The lode in the 17 west bas much improved in size, being at present at the width of the end, and part of it now standing to the north, producing stones of lead ore occasionally, but not sufficient to value. The attitude level has been driven 6 fms. 5 ft. in the past month: total driven from commencement, 73 fms. 5 ft. There are from 3 to 4 fashoms more to drive to hole to the Roundisry shaft, which I expect will be done in about a fortnight. The lift is fixed at the shaft ready to fork the water as soon as we can get sufficient water for the engine to do so.

WEST GRENVILLE.—S. Berryman, Sept. 22: I find there is a cross-cut taken up

as we can get sufficient water for the engine to do so.

WEST GRENVILLE.—S. Berryman, Sept. 22: I find there is a cross-out taken up from Tryphena lode, about 54 fms. east of Vivian's shaft (on a cross course), which is being driven south about 95 fms.; in driving this distance they have intersected three different lodes, which I shall describe as follows:—No. 1 lode is 42 fms. 5 ft. south of the above lode, and is opened on but very little east or west. No. 2 lode is 5 fms. 5 ft. south of No. 1; on this lode there are about 7 fms. of ground opened, 5 west and 2 east, from which some very fine stones of copper and tin have been broken. No. 3 is 34 fms. south of No. 2; this lode is opened on about 5 ft. east, and the same distance west of the cross-course; there have been broken from this lode very good stones of copper ore. The present end is extended 10 fms. south of lode No. 3; I should say the main lodes are still further south; and looking at the channel of ground these lodes are in, I consider it a good speculation.

Colliers' Meeting—Fund for the Bereaurd.—A numerously attended and well conducted open-air meeting of colliers was held at the Cross Keys, Hoyland Common, on Monday, to promote the movement for an enactment for a small embargo on the coal got, to establish a permanent fund for widows and orphans from mining accidents. One speaker condemned the apathy of the colliers, and said if only a penny a week were required not one in ten would pay; any fund, therefore, must be raised by Government or legislative enactment. He also urged an apprentice-ahip; for it was a great mistake to put a Davy lamp into the hands of a man, and leave him to suppose himself safe; it was rather an indicator of than a preserver from danger. It was stated that several of the Government Inspectors were in favour of a permanent fund, and of a better education for colliers. A committee was formed to assist in carrying out the Miners' Bill next session.

The Alliance (France and England) Bank recently held a meeting at the London Tavern, as reported in another column, at which it was considered desirable to get it officially quoted on the Stock Exchange, and a memorial was signed by the shareholders present at the meeting to the committee for that purpose. It appears that this company was originally constituted in 40,000 shares, with a capital of 800,000%, and the ground for refusal on the Stock Exchange was, that the whole of the capital was not paid up. The company has since been remodeled, in 10,000 shares, with a capital of 200,000%, all of which has been fully paid up; and the directors have great confidence that, under these circumstances, the memorial of the shareholders will be favourably entertained by the committee of the Stock Exchange, and the company admitted on their list. With regard to the success of the concern, it may be merely necessary to state that in March last they paid a dividend at the rate of 16 per cent, per annum, legitimately earned out of profits, after deducting 6331%, 19s. 5d. on account of a reserve fund, and to meet bad and doubtful debts. The business during the first six months of the present year was at the rate of above 8,000,000% sterling per annum, being more than double that of the previous period. The bank's customers and correspondents have increased in a like ratio, and from the sound nature of the business the directors look forward with confidence to a steady increase of prosperity. The total amount of profits up to June 30 was 23,147%. Is. 5d., and the business for the half-year 4,111,794%. 2s. 1d. The profit included the sum of 6331%. 19s. 5d. acried to the reserve fund, thus leaving the nett profit for the half-year 16,816%. 2a.; the company being constituted in France, they can only declare dividends annually; but the law allows the payment of interest at the rate of 5 per cent. per annum, at the expiration of the first six months on account of the sanual dividend, and the earnings of the bank permitting it, the The Alliance (France and England) Bank recently held a meeting more than usually fortunate, and that it promises to rank best banking establishments of the day.

NEW DEVELOPMENTS OF THE COAL TRADE.—The development of new NEW DEVELOPMENTS OF THE COAL TRADE.—The development of new collieries in South Durham is progressing quite in proportion to the building of the iron furnaces. Messrs. Cochrane and Co. are sinking at Sleekburn, on the Dearness Valley Railway; Messrs. Straker and Love are opening out a colliery near Brandon on the Anckiand branch; Messrs. Bainbridge, Spark, and Co. expect to send coale during the ensuing month from Eim Park Colliery, nearfCroinav; the Black Boynew winning will come into operation immediately; and Mr. Pesse will be ready at Stanieg Colliery, near Crook, as seen as the branch railway is completed—say in about two months—and also at Brandon Colliery, on the Dearness Valley. These new collieries will form in the aggregate an important addition to those already in operation. Some of them are on an extensive scale.—Sockion Mercury.

STRAILING TIN ORR.—Emily Chadwick (aged 19) has been convicted for stealing a quantity of valuable in ore from the works of the Pedn-an-dres Tin Mine. It appeared from the evidence that this system of plunder has been going on for a onaiderable time—the high price of tin, the prime quality, and the facility for iteratival, no doubt, being the great tempetation, together with one or two parties who sadily buy it from such girls at a very low price.

The railway now in course of construction from the Devon Consols Mine to Morweitham will pass through some of the most charming somery in the kingdom. It will skirt the top of those beautiful woods and rocks that are seen from the Tunar, and are so much admired by all visitors. When this railway is completed upwards of 70 horses that are new employed incarriage of ore and material, belonging to Mearle. Morrington and Co., will be dispensed with, which will be a great saving to the adventures.—Local paper,

Che Mining Market; Prices of Metals, Ores, &c.

METAL MARKET, London, O

META	LL MARKET, London, October 2, 1007.
Copper wire	# FORMION STREE. Per Ton. 8wedish, in kegs 22 0 0
Sheathing and bolts , 0 1 1% Bottoms	Ditto, in faggots 23 0 0
Old (Exchange) 1 0 1 0	QUICKSTLYNNp. 15.0 2 1
Best selectedp. ton 124 10 0- nom. Tough cake 121 10 0-	APRLIER. Per Ton.
Tile 121 10 0	Foreign 30 10 0-30 15 0
South American 120	To arrive 30 15 0-31 0 0
Bare Welch in London 8 10 0	EING.
Bars, Welsh, in London . 8 10 0 Ditto, to arrive 8 0 0- 8 5 0	In sheets 36 0 0-36 10 0
Nail rods 9 0 0	TIN.
, Stafford. in London 9 5 0-10 0 0	English, blocks
Bars ditto 9 10 0-10 10 0 Hoons ditto 10 7 6-11 0 0	Ditto, Refined
Hoops ditto 10 7 6-11 0 0 dheets, single	Banca
Pig. No. 1, in Wales 4 10 0- 5 0 0	Straits138 0 0
Refined metal, ditto \$ 10 0- 5 15 0	TIN-PLATES.*
Bars, common, ditto 7 5 0	IC Charooal, latqua. p. bx. 1 19 6- 2 0 6
Ditto, railway, ditto 7 0 0-7 5 0 ditto, Swed. in Lon 14 10 0-16 10 0	IX Ditto 1st quality ,, 2 5 6-2 6 6 IC Ditto 2d quality ,, 1 18 6-1 18 6
in stock to arrive 15 0 0-16 0 0	IX Ditto 3d quality ,, 1 18 0-1 18 6 IX Ditto 3d quality ,, 2 4 0-2 4 6
Pig, No. 1, in Clyde 3 8 6- 3 9 6	IC Coke 1 14 0- 1 15 6
Ditto, in Tyne and Tees. 3 11 0- 3 15 0	IX Ditto 2 0 0 - 2 1 0
Ditto, forge	Canada platesp. ton 16 0 0-16 10 0
Welsh Forge Pig 3 15 0- 4 0 0	In London; 20s. less at the works.
LHAD.	Yellow Metal Sheathing p. 1b, 11%d -
English Pig	Wetterstedt's Pat. Met, p.owt. 2 2 0
Dittored lead 26 0 0-26 5 0	Stirling's Non-lamina-)
Ditto white 27 0 6-28 10 0	ting, or Hardened, 9 0 0-9 2 0
Ditto patent shot 27 0 0-	Surface Railsp. ton)
Spanish, in bond	Stirling's Patent Toughened Pigs Glasg 5 5 6
Baass (sheets)p. lb. 11 kd12 kd.	Ditto Wales 4 0 0- 5 5 0
Wire 113 d -14d.	Indian Charcoal Pigs 7 10 0
At the works le	in London

REMARKS-Our market has evinced symptoms of a declining tendency. Copper, iron, spelter, and tin are mostly quoted somewhat lower; lead and tin plates are also easier, although the general quotations remain about the same as last inserted; the market altogether appears to have undergone a change, prices becoming easier under a limited amount of

about the same, prices becoming easier under a limited amount of business.

COPPER.—We are unable to report any activity now in our market; the impetuosity exhibited amongst speculators to purchase at present prices is abated since the advance in fixed rates seems likely to take place. Those parties who were so anxious to buy previous to the last sale of ores at Swanses, are now offering copper for sale, and smelters come forward with cake, which they previously stated was in such strong demand that it was quite impossible to supply any further quantity for some considerable time, and declined to entertain orders unless at the prices at the time of delivery, clearly showing the falsity of their representations.

IRON.—Rails are procurable at 71. per ton, f.o.b. at the works; merchant bars, of common brands, being dull of sale, could also be purchased 74. 2s. 6d. to 74. 5s.; sales having already been effected for forward delivery in London at 34. per ton. Staffordshire exhibits a downward tendency: nail rods of best quality offering at 94. 5s. f.o.b. here. Scotch pigs have been sold at 67s. 6d., m.n., but have again rallied, and sellers now quote 63s. cash, g.m.b., f.o.b. in Glasgow.

LEAD.—English pig of good soft quality has been offered at 234. 10s. Sheet lead, 244. 15s. The market is quiet, but steady at these prices.

SPRITER.—The stock of spelter has much increased, the return here on the 1st inst stated 1993 tons; the transactions in this metal for some time past have been very insignificant, and holders at the present moment would readily realize at 30l. 10s. per ton.

TIM.—English remains without any alteration. Foreign has fluctuated; the closing price for Banca was 139l. 10s. for about 500 slabs, 140l. for a smaller parcel. Straits, 138l. nominal. There is evidently less disposition to operate on the part of speculators, although the deliveries in Holland last month were very large, at the same time it was prompt month, when it is usual for larger shipments to take place. Banca is reported to be had a

LIVERPOOL, OCT. 1.—In the absence of any alteration in our market for metals, we have to refer to our report of last week. There appears to be no diminution in the demand for Welsh bars, and also for good qualities of Staffordshire Iron, and prices are well supported. The exports are favourable, and the requirements for local purposes are extensive, so that the position of the trade is satisfactory. Scotch Pig-iron is steady, the fluctuation in price being very small; transactions are but limited, the unsettled aspect of Indian affairs tending to deter operations in the article; a fair demand is experienced for export and for home consumption. The shipments are large this week, being 12,093 tons, against 9536 tons in the corresponding week of last year. There is no change in tin; for English, especially, the enquiry is good, leaving stocks bare. Tin-plates are just now essier; there is no pressure to sell, however, and it is not unlikely that the market will rally. For Copper, a good steady demand exists, and prices are very firm. In Lead, there is no change. The following are the quotations:—Iron: Merchant bar, 71, 12a. 6d. to 81, per ton.—Tin: Common block, 1401, per ton; common bar, 1411.; refined block, 1441.—Tin-plates: Charcoal, IC, 33s. to 38s. 6d. per box; coke, IC, 33s. to 34s.—Lead: English sheet, 251, per ton; English pig, 241.—Copper: Cake and tile, 1211, 10s. per ton; best selected, 1241, 10s.; sheathing and bolt, is, 1\frac{1}{2}d. per lb.—Yellow metal sheathing, 11\frac{3}{2}d. per lb.

GLASGOW, Oct. 1.—A fair business has been done in pig-iron warrants since our last report, at from 67s. 6d. to 68s. 3d. for cash, closing steadily at 67s. 9d. to 68s. The return of shipments on Tuesday was good, being 12,000 tons, but the demand for shipment iron is again slack. Some special brands, such as Gartsherrie, Coltness, and Calder, still command high prices. No. 1, Gartsherrie, 77s.; No. 1, Calder, 73s.; No. 1, Coltm 72s.; No. 1, g.m.b., 69s.; No. 3, g.m.b., 64s.

72s.; No. 1, g.m.b., 69s.; No. 3, g.m.b., 64s.

QUARTERIT EXPORT.—The iron trade continues in a sound and prosperous position. The average number of farnaces in blast during the quarter just closed were 12s [191 furnaces are now in blast), and produced about 217,000 tone of pig-tron. Though the production is a few thousand tone less when compared with the preceding three months, still it is alightly in excess of the exports and local consumption, which in the aggregate amounted to 208,000 tons. The stocks have thus only increased 9000 tons, and are now 112,000 tons, laying in makers and warehouse-keepers' stores [59,000 tons in warehouse-keepers' stores; 53,000 tons in makers' hands, the greater part of which is not g.m.b.]

In the almost entire absence of speculative operations, partly owing to the military revolt in India, prices have tended downwards, having averaged in July 73s. 4d., in August 70s., and in Sept. 67s. 9d., for mixed numbers. It is worthy of observation, that whilst No. 1, g.m.b., has destined during the quarter nearly 7s. 6d., Gartaberrie has scarcely receded is. per ton, and is still in demand at 76s. to 77s., chiefly for the Continentia and American markets.

Wittin the last few days there has been more enquiry for pig-iron, and the shipments are extending. The quotations are firm, at 72s. 6d. for No. 1, Calder and Coltments 71s., No. 1, Glangarnock and Summeries; 69s., No. 1, g.m.b.; 69s. for mixed numbers; 57s. to 65s. for Ayrshire brands; and 67s. 6d. to 58s. 6d. for East Coast brands. The bar makers and founders being generally fully employed, have, in consequence of the fall in pig-iron, been enabled to slightly reduce their prices, which

cause. And the makers and founders being generally fully employed, have, in consequence of the fall in pig-iron, been enabled to slightly reduce their prices, which are now as follows:—Bars, \$i. los. to \$i.; plates, 10t. to 10f., 7s. \$d.; aheats, 10f. \$to 10f., 15s.; rails, \$i. \$s. to \$i. 10s.; east-iron pipes, \$i. \$s. to \$i.; railway obsirs, \$i. \$s. to \$i. \$s. \$to \$i. \$to \$i. \$s. \$to \$i. \$to \$i. \$s. \$to \$i. \$

MINES.—The market opened quietly this week, but improved after the settling, which was somewhat heavy. Money has been rather tight, and some of the heavy mining shares have slightly receded. Since our last was written, the standard for copper ores has recoded a little, but is still at a good price. A large business has been doing in several of the small shares, such as Sortridge Consols, which advanced to 21/4, 22, leaving off at 21 to 25; East Russell, 36s. to 37s. 6d.; Kelly Bray, which were flat at 2½ to 2½; East Russell, 36s. to 37s. 6d.; Kelly Bray, which were flat at 32s. to 34s., suddenly rose to 36s., leaving off at 36s. to 1½, Alfred Consols during the greater part of the week had a downward tendency, and resceded to 11½, 12½, but improved on Friday, and left off at 13 to 13½; Great Alfred shares continue very flat, at 6 to 6½; Herodsfoot, 7½ to 8, ex div., and not much doing; Wheal Mary Ann, 47 to 48, ex div., Trelsway, 23½ to 2½; a good improvement has taken place in the mine, causing a demand for the shares. Craddock Moor, 41 to 42, and rather flat, notwithstanding the dividend; Great South Tolgus have been in demand, at 17; North Basset, 15½ to 15½; West Basset flat, at 25 to 26; Bouth Frances, 230 to 240; Basset, 205 to 215; West Seton, 340 to 350;

West Par, \(\frac{2}{3}\) to \(\frac{4}{3}\), and in demand; Holmbush, \(\frac{1}{2}\) to 2; Lady Berths shares have been flat, and the price recoded to 1, \(\frac{1}{4}\), though the mine is reported as looking well. Wheal Grenville, \(\frac{1}{2}\) to \(\frac{1}{2}\); is ower quotations, at which we understand no sellers have been found, have been daily given, and we refer to them merely to state that the mine is looking well in the 54 west, and in the shaft, and it would be well if shareholders enquired of the agents on the mine as to its real prospects before being induced to part with shares, through the same influences which have more than once been used to depress the market in order to buy shares cheap. Bast Basset, 75 to 80, and a fair business done; at the meeting, it was resolved to sree; a new steam whim; a call of 1\(\triangle \) per share was made; the report presented to the meeting stated that the engine-shaft was sunk 3\(\frac{2}{2}\) fine. below the 80; the lode in the 60 east, on the lode, worth 40\(\triangle \) per fm.; the lode in the 60 east, on the south lode, \(\triangle \) to 80; the lode in the 60 east, on the south lode, \(\triangle \) to 1\(\frac{2}{3}\); Clijah and Wentworth, 5 to 6\(\frac{2}{3}\); Wheal Kitty (Lelant), 22 to 22\(\frac{2}{3}\); Boiling Well, 1\(\frac{1}{4}\) to 1\(\frac{2}{3}\); Catherine and Jane, 8s. to 10s.; Tamar Consols, 1 to 1\(\frac{1}{3}\); Catherine and Jane, 8s. to 10s.; Tamar Consols, 1 to 1\(\frac{1}{3}\); Catherine and Jane, 8s. to 10s.; Tamar Consols, 1 to 1\(\frac{1}{3}\); Tather flat; Wheal Margery, 12 to 13, and better; North Busy, 2 to 67\(\frac{1}{3}\), rather flat; Wheal Margery, 12 to 13, and better; North Busy, 2 to 67\(\frac{1}{3}\); rather flat; Wheal Margery, 12 to 13, and better; North Busy, 2 to 67\(\frac{1}{3}\), rather flat; wheal Margery, 12 to 13, and better; north Busy, 2 to 67\(\frac{1}{3}\). Tather flat; wheal Margery, 12 to 13, and better; north Busy, 2 to 67\(\frac{1}{3}\). Tather flat; wheal Margery, 12 to 13, and better; north B

A correspondent, referring to the late depression in mining affairs, and the decrease in the dividends from many of the copper mines, calls our attention to the heavy tax levied on copper mining companies by the expenses of the weekly ticketing dinners, and hopes that by our noticing them some alteration may be made, so that mines may be relieved of at least a portion of the charge. We have now before us the items forming the expense on Sept. 17 last, when the dinner was attended by only two mining agents (those of Great Devon and Bedford), and by twenty-fee agents of the copper companies; the party consisted, with the steward, of twenty-eight persons, and the expense was 35t. 2s. 9d., of which Devon Consols had to pay 17t. 4s. 10d., and the other mines in proportion. Now, being ourselves fond of good cheer, and of Cornish living, we are not going to object to a "feed" at "owners' account" occasionally, nor would the miners object to them once in a while; but as this dinner is a weekly affair, and costs the mines selling ores about 1700t. a year, it becomes a tax which, we agree with our correspondent, should be modified, or differently apportioned. What jolly fellows these agents must be, who, after settling the mysteries of the "standard" and "produce" to their own astisfaction, can comfortably dispose, between 28 of them, of 26 bottles of wine at 6s. a bottle; spirits, 3t. 10s. 6d.; and beer and porter, 1t. 6s.! Let us hope, with all this, they drank hearty success to the Mining Journal; to the mines which paid the cost of their enjoyment; and never showed a desire for a fall—in the standard.

Mining Exchange Official List of transactions during the week : attention to the heavy tax levied on copper mining companies by the ex-

Mining Exchange Official List of transactions during the week :-

Mining Exchange Umchai List of transactions during the week:

Savusnay, Supr. 28.—Afried Connols, 13 to 134;; Calstock Coasols, 6 to 54; Eag
Basset, 75 to 59; Great Hewas, % to 1; Lady Bertha, 23s. 6d. to 24s. 61.; North
Frances, 124 to 134; Padn-an-dress, % to 1; Pendsen, 25¢ to 24; Sortridge Coasols, 2 to 2%; West Caradon, 120 to 125; Wheal Edward, 9% to 10%; Wheal Greaville, 13¢ to 13c, Wheal Mary Ann, 47 to 45 k; Wheal Wirey, 5 to 54.

Mosnay.—Alfred Consols, 13 to 14; Lady Bertha, 23s. 6d. to 24s. 5d.; North France,
13 to 13%; Sortridge Consols, 2 to 25c; St. Day United, 24s. to 25s.; Wheal Edward,
10 to 10%; Wheal Greaville, 29s. to 31s.

Tussaay.—Alfred Consols, 13 to 13%; East Russell, 37s. to 37s. 6d.; Hingvien
Down, 3% to 5%; Lady Bertha, 23s. to 23s.; Pedn-an-dress, % to 1; Pendeen, 2½ to
2%; Sortridge Consols, 2 to 2%; South Condurrow, 2s. 6d. to 3s. 6d.; West Carage,
119 to 121; Wheal Edward, 9% to 9%; Wheal Margaret, 67 to 69; Wheal Miry
Ann, 47 to 48.

Weddendayar.—East Basset, 77% to 50; East Russell, 36s. to 35s.; Kelly Brsy, 36s.

An, 47 to 48.—East Basset, 77½ to 80; East Russell, 36s. to 38s.; Kelly Bray, 36s. to 38s.; Fendeen, 2%; 2%; Sortridge Consols, 21-16, 23-16; West Caradon, 117%, 120. TRURKDEN—Alfred Consols, 117 to 12½; Catherine and Jane, 9s. to 10s.; East Bassell, 36s. to 38s.; Great Baddern, 16s. 6d. to 17s. 6d.; Kelly Bray, 36s. to 38s.; Lady Berths, 23s. to 24s.; Bortridge Consols, 2½ to 2½; Tamar Consols, 24 to 23; Wheal Edward, 9½; to 9½; Wheal Granville, 26s. 6d. to 27s. 6d.; Wheal Harriett, ½ to ½; Wheal Margaret, 65 to 67; Wheal Treslway, 23½ to 24½.—Faidav.—East Basset, 75 to 50; Gawton United, 21s. to 23s.; Pendeen, 2½, 2½; Redmoor, ½; Sortridge Consols, 23-16 to 25-16; Wheal Edward, 9½ to 9½; Wheal Grenville, 26s. 6d. to 23s. 5d.

On the Stock Exchange, the following business has been transacted :-On the Stock Exchange, the following Dusniess has been transacted:—
Monday.—Alfred Consols, 13½ to 13½; Great Wheal Vor, 3½; North France,
13; Vale of Towy, 4; St. John del Rey, 11; Cobre Copper, 48.
Tursnay.—Alfred Consols, 13½, 13, 13½; Great Wheal Vor, 3½; North France,
13 to 13½; Par Consols, 20½; Persellis United, 5½; Wheal Edward, 3½.
WEDWARDAY.—Alfred Consols, 13½ to 13; Great Wheal Vor, 3½ to 3½; Lady Bethal, 1½; North Wheal Basset, 16 to 15½; Sortridge Consols, 2½; Wheal Edward, 9½; Wheal Kitty (Lelant), 23½ to 22; Cobre Copper, 46½ to 46½.
Turungay.—Alfred Consols, 13½ to 13½, 13½ in 27th Frances, 13 to 15½; Sortridge Consols, 2½; West Basset, 24½, ex div.; Imperial Brazillan, 2 to 2½.—Transactions, though not officially marked: Alfred Consols, 11½ to 12½; Wheal Zion, 20a, 19a.; Wheal Tralawny, 23; North Frances, 13½, 13½, without the call.
PRIDAY.—Alfred Consols, 13½ to 2½; Wheal Edward, 9½ to 9½; St. John del Ray, 11½, 12; Maxiean, 3½, 3½.

At Pool Ticketing, on Thursday, 335 tong of one were sold, realiging.

Rey, 11%, 12; Mexican, 3%, 3%.

At Pool Ticketing, on Thursday, 3935 tons of ore were sold, realising 25,0331 14s. The particulars of the sale were—Average standard, 142/19s. average produce, 62; average price, 61. 7s.; quantity of fine copper 250 tons 17 cwts. The sale at Redruth, on Thursday, will be 4168 tons. At Swansen, on Tuesday, 1149 tons of copper ore will be sold, including erchaven, Knockmahon, Seville, Peninsular, Castilian, Holyford, Mol-

Berchaven, Knockmahon, Seville, Peninsular, Casalana, land, Cromebane, and Tigrony.

The arrivals at Swansea include—From Garrucha, 120 tons of copper ore; from the Cape of Good Hope, 398 tons of copper ore; from Algien, 123 tons of copper ore; from Huetra, Spain, 237 tons of copper ore.

The following are the Government Returns of the exports of article identified with mining, the produce and manufacture of Great Britain, for the eight months ending Aug. 31; and also as compared with the corresponding eight months of 1856; extracted from the "Accounts relating to Trade and Navigation," and published by the Board of Trade:—

to frade and Navigation," and published by the Board of frac	\$500 (c)	
1856. 1857.		Increse.
Hardwares and entiery	***	£238,201 300,601
Machinery:—Steam-engines and parts£320,684£684,863		1
Other sorts	000	831,631
Iron-Pig	2	1,430,336
Wire 125,093 141,118		1
Wrought2,489,324=8,263,3292,681,318=9,021,027	***	758,696 77,790
Copper—Unwrought 485,499 510,876 Sheet, nails, &c. 1.086,936 1.195,472	***	1
wrongs	999	341,311
Lead, pig, sheet, shot, &c 360,744 417,034		
Tin_unwrought 145.166 906.559		
Grand total	£	2,961,188
	1856. 1857.	Coals and culm £1,378,940 £2,117,142 Hardwares and entiery 2,325,213 2,688,515 Machinery:—Steum-engines 2520,084 £684,863 Other sorts 1,113,507=1,634,191 1,780,850=2,465,723 Metals:— Total £5,841,344 £1,277,680 £1 Bor, bolt, and rod. 4,299,261 4,536,937 451,113,314 £1,113,314 Wire 125,093 141,115 523,340 470,424 551,217 551,217 551,217 551,217 551,217 551,217 551,217 551,217 560,693 69,043 560,431 560,693 69,043 560,431 560,432

Devon Great Consols	0	0	***********	£9,216	0	0
South Wheal Frances 6	0	0		2,976	0	.0
West Basset 0	8	0	******************	2,400	0	0
Wheal Mary Ann 2	5	0		2,304	0	0
South Caradon 8	0	0	******************	2,048	0	0
Wheal Buller 7	10	0	***************************************	1,920		0
Drake Walls 0	2	0	***************************************	1,280		
Wheal Kitry (Lelant) 1	0	0	***************************************	1.024	0	0
St. Day United 0	1	0	***************************************	1,000	0	9
Boscean	0	0	***************************************	720		0
Collacombe 0	7	0	***************************************	700		0
Herodsfood 0	10	0	***************************************	512	0	0
West Caradon 2	0	0		512	0	0
Wendron Consols	0	0		512	0	0
Craddock Moor 6	3	. 0		263	15	0

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East North

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630,336

88,376

still very good. It would be seen by the statement of accounts that they were obliged to reduce the halance, in order to make the naual dividend; but it gave him pleasure in being able to state that at the next meeting they would give a bonus, and also considerably increase the present balance.

At Herodefoot Mine meeting, on Sept. 23 (Mr. J. Carter in the chair), the accounts showed—Balance last ausit, 294, 14s, 2d.; ore sold, 2803f. 10s. 11d. = 29931. 2s. 2d.—Mine oost, merchants' bills, and sundries, 2299. 6s. 2d.: leaving balance in favour of mine, 693f. 19s. A dividend of 512f. (10s. per share) was declared. Capt. James Wolferstan reported that they had an accident to their machinery last week, but it was quickly repaired; there will, however, be a new balance-bob and a pay piston required to make all complete and safe.

At the Collacombe Mine meeting, on Wednesday (Mr. Harcourt Hill in the chair), the accounts showed—Balance last audit, 1377, 2s. 1d.; copper ore sold and carriage, 1933. 5s. 1d.=3150f. 8s. 2a.—July dividend, 1900.; mine cost and merchants' Bills, July, 6971. 8s. 2d.; August, 671f. 1s. 6d.; sundries, 10j. 13s. 7d.; leaving balance in favour of mine, 852f. 2s. 11d. A dividend of 700f. (7s. per share) was declared. Captain Samuel Mitchell reported on the various points of operations at the mine.

was declared. Captain Samuel Mitchell reported on the various points of operations at the fine.

At the Treeavean Mine meeting, on Wednesday, the accounts showed—glance less audit, 4331. 11s. 3d.; mine costs and merchants' bills July and August, 1432. 13s. 3d. = 18931. 7s.—Ores. &c., sold (less lord's dues), 11961, 9s. 2d.: leaving blance against adventurers, 6981. 17s. 10d. A. call of 100. per share was made.

At Hingston Down Consols Mine meeting, on Wednesday, the accounts showed—Balance last audit, 13001. 15s. 3d., ores sold and carriage, 22391. 13s. 3d. = 35001. 11s.—Labour cost, June and July, 16931. 4s. 10d.; Dueby of Cornwall dues, and lean, property tax, &c., 11101. 2s. 4d.: leaving blance in favour of mine, 1661. 16s. 10d. The estimated balance of receipts over expenditure to the Dec. 3 next showed, 11951. 7s. 2d. Capt. C. Richards reported that since the last meeting the sinking of Declaye's winze below the 100 had been reaumed, the lode in which was found to 5 feet wide, with branches of ore running through it; the ground continuing hard. A plat was being out preparatory to the sinking of Morris's shaft. The lode in the 75 cast had considerably improved, 9 feet wide, yielding from 4 to 5 tons of ore per fathom.

At the Brunford Hall Mine meeting, held at Helward and the state of the st

sinking of Deldge's winze below the 100 and ocen resumes, the tone in which was from 4 to 5 seek wide, with branches of ore running through it; the ground continuing hard. A plat was being out preparatory to the sinking of Morria's shaft. The lode in the 75 seat had considerably improved, 5 feet wide, yielding from 4 to 5 tons of ore per fathom.

At the Brynford Hall Mine meeting, held at Holywell on Sept, 17, the seconuts showed—Labour, merchants' bills, &c., for April, May, June, and July, 584, 18, 10d.: leaving balance to credit of mine, 3177, 0s. 11d. The committee regret having to relinquish the services of the consulting engineer and capitaln, from conomical motives alone, and desire to record their best thanks for their past efforts. The agent's report states that the different works are being prosecuted so as to secure the ultimate prosperity of the mines, and that their present position is quite as encursing as ever.

At Boscaswell Mines meeting, on Sept. 25, Mr. York (the purser) produced the accounts to the end of August, which showed an expenditure of 41337, 18s.; call made, 1266.; and this sold, 20731, 17s.; leaving balance against the adventurers of 1796, 3s. A call of 11, per share was made. The monthly returns of this showed a study increase. The steam-stamps of 24 heads is now in complete working order.

At Wheal Comfort meeting, on Wednesday, the accounts showed—Mine cest and merchante' bille for four months ending Aug. last, 5007, 14s. 10d.—Ores sold, April and June, 2216. 8s. 1d.; Treasream water charge, 2561. 1s assign balance in favour of mine, 1721, 12s. 7d. The committee's report stated that the present position and prospects of the mine were satisfactory. There are now on the floors about 11 tons of lead ready for market, which will be made up to 20 tons in the doubter of the state of the prospect of the mine were satisfactory. There are now on the floors about it nose of seat counts; these will also be an accumulation of iron ore. No steps have yet been mittee thought it nost advisable

arready sold 134 tons of lead ors, realising 1621f. 4s. 93., and have appliances for dressing 50 tons per month, at the lowest possible cost. The proceedings were adjourned to October 14.

At Wheal Emma meeting, on Sept. 16, the accounts showed—Balance due to purser on last account, 994f. 18s. 6d.; sundry accounts paid out of liabilities existing, June 3, 802f. 17s. 2d.; cost sheets. May, 419f. 18s. 9d.; June, 273f. 2s. 1d.; July, 239f. 6s.; accounts paid once purser, 102f. 18s. 8d.; Jurook Wood Mine, for materials, 40f. 17s. 9d.; balance due to purser, 212f. 18s. The statement of assets and liabilities showed balance in favour of adventurers, 137f. 18s. 9d.

At Great Wheal Baddern meeting, on Tuceday (Mr. Thos. Key in the chair), the accounts showed—Balance last and; 119f. 8s. 24; ore sold, 534f. 14s. 8d. 1954f. 2s. 10d.—Mine cost, merchants bills, and sundries, 572f. 7s.: leaving balance in favour of oring, 81f. 15s. 10d. Capt. John Jenkin reported that they had been obstructed by bad air very much, but by a new air-machine, and other arrangements, they have oversome the difficulty, and the men were now able to work their full time in comfort. The water through the mine had considerably abated. The future properts of the mine are cheering.

At Sittney Wheal Buller adjourned meeting, on Thursday (Mr. R. T. Alleon in the chair), the accounts sitewed, balance against adventurers, 624f. 6s. 3d. A call of 5s. per share was made.

Kelly Bray Mine sampled last Friday 108 tons of copper ore for Sept.

Kelly Bray Mine sampled last Friday 108 tons of copper ore for Sept. Month, which will realise upwards of 6001,, and a profit for the same month of above 1501, per month. The 35 fm. level west has gone through a course of ore 14 fathoms, and the present end is worth 251, per fathom. The 45 is expected daily to produce a course of ore. The 90 west and 160 east look better.

The Duke of Cornwall Mine has now at surface about 200 tons of ore, dressed and undressed, and from 60 to 80 tons of jack, which will be immediately prepared for market.

smooth control and the control of th

and the necessity of the shareholders coming to some arrangement, in order to avoid the litigation which other wise must unavoidably ensue.

At the Alliance Bank meeting, on Sept. 24, the accounts showed a total amount of business for the first half-year of 1857 of 4,111,794f 2s. 1d., and the nett profit, 16,1815, 2s., which, after deducted 6815f. 2s. for the surplus fund, and bad and doubtful debts, would leave a profit equivalent to 10 per cent. per annum on the capital of the bank. As companies legally constituted in France can only declare dividends annually, a payment in the shape of interest at the rate of 5 per cent. was declared. The report stated that the business dome during the first six months of 1857 was more than double that of the previous period, and that the number of customers and correspondents had increased in like proportion.

At the United Mutual Mining and General Life Assurance Society meeting, on Thursday (the Hon. W. E. Fitzmaurice in the chair), it was resolved to adjourn until Oct. 21; in consequence of the necessary agreements between the People's Provident Society and the United not having been yet signed. The Chairman said that he might state that the general assets of the company would amount to little short of 6000f., and the general liabilities to 6647f., including all the bad debts; so that there would be ample to pay all the bona fide debts of the company. A shareholder asked if any arrangement, had been made with Mr. Pritchsrd, or whether he held any security above that possessed by the other persons who had claims upon the company. The Chairman said that he did not, and that no arrangement had been made, neither could it be made with him, as such a course would be an act of injustice towards other parties. The meeting then adjourned.

The reports of the Linares, Fortuna, St. John del Rey, and Pontgiband Mining Com-anies, will be found in page 999.

Sortridge Consols is improving in the 62 cast. The change in the character of the lobe in this level is worth of suries, as is partakes very mash of the qualities of the same lobe in the he, which proved over productive.

At the Linares Lead Mining Company meeting, on Tuesday (Mr. Wares in the charal), the accounts for est a months ending lane showed—"trough the wares in the charaly, the accounts for est a months ending lane showed—"trough the content of the content

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ditto	***********	62	3	6	6	ditto	************	6	25	4	
ditto	*************	46		9	6	Fowey Cons	ols	105	7	13	
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outh France		79		7	6	Duke of Cor	nwall	94	8	0	
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	***********		4	7	6	North Pool	************	72	. 5	11	
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ditto	************	47	. 2			West France		6	12	12	

COMPANIES BY WHOM THE ORES WERE PURCHASED.

3935 £25,033 14 0

Copper ores for sale on Thursday next, at Tabb's Hotel, Redruth,—Mines and Parcols.—West Basset 557—Wheal Buller 547—Par Consols 349—North Basset 347—Great South Tolgus 344—Alfred Consols 341—Carn Brea 244—United Mines 230—Great Wheal Alfred 200—Levant 126—Wheal Anna 103—Botallack 100—South Crenver 89—Rosewarne 80—West Fowey Consols 70—Wheal Charlotte 60—Wheal Tchidy 57—East Alfred Consols 53—Wheal Trebarvah 50—East Rosewarne 42—Carvannall 39—Treloweth 39—Halamanning 34—Camborne Consols 22—Pencorse Consols 20—Whoal Guskus 8—West Tressury 7.—Total, 4155 tons.

NO SALE on Thursday week 15th October. NO SALE on Thursday week, 15th October.

FIRST SALE IN OCTOBER.

FIRST SALE IN OCTOBER.

Tons. Prod. Amount. Standard. Ore copper. Cake cop.

4027 816 £19,297 2 6 £ 52 17 0 £59 0 0 £79 10

3989 75 10,126 13 0 106 4 0 67 13 0 79 10

4700 75 22,354 1 6 105 8 0 66 13 0 79 10

4467 74 20,70 11 0 103 2 0 65 5 0 84 0

4543 6 25,581 1 6 140 7 0 94 8 0 102 10

4684 64 27,230 12 0 157 15 0 98 10 0 107 10

3854 0 2 21,792 7 0 144 13 0 97 1 0 126 0

3855 0 2 21,792 7 0 144 13 0 97 1 0 126 0

3855 0 2 20,70 11 0 13 1 15 0 166 8 0 126 0

3425 0 3 0,990 19 0 132 4 0 90 17 0 10 10 The copper in the ore expre es the nett price per ton of copper paid to the miner.

PARTICULARS OF COPPER ORES SOLD IN CORNWALL IN THE QUARTER ENDING 30rm SEFTEMBER, 1857.

Copper ores, 45,676 tons (21 brts.)—Fine copper, 2941 tons 11 cwts.—Amount of money, 287,7824. 5s. 6d.—Average produce, 63, 15.—Average standard, 1404. 11s. 0d.—Average price (per 21 cwts.), 2. 6a. 0d.

Copper ores for sale at Swarts, Oct. 6.—Berehaven 116, 115, 110, 74—Knockmahon 34, 55, 33, 73, 71, 73, 63—4 cité 60, 39—Peninsular 65, 0—Castilian 7, 3—Holyfeed 36, 16—Molland 32—Ground as 8, 3—Tageany 4, 2.—Total, 1142 tong.

THE PROGRESS OF MINING IN 1856.

BEING THE THIRTEENTH ANNUAL REVIEW.

BY J. Y. WATEGO, P. G. S., Author of the Compendium of British Mining (published in 184), Gleanings among Mining Annual Miners, &c.

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Dated Unv Lelant, Havle, Aug. 7, 1857.

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A notice of Mr. Hopton's invention appeared in the Mining Journal of 20th June.

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Datices to Currespandents.

• Much inconvenience having arisen, in consequence of several of the Numbers during the past year being out of print, we recommend that the Journal should be regularly filed on receipt: it then forms an accumulating useful work of reference.

"AUDIT DEFINED AND EXPLAINED."—Will you allow me to occupy a few lines in your next Journal, to refer to your criticisms of this pamphlet on Sept. 12, and to a letter upon the same subject which you inserted on the 19th, and observe that, if I omitted to speak of the modes operands of Audit, the remuneration of auditors, and other practical and very necessary details as to time, trouble, and expense of working, it was because a simple "definition and explanation" of Audit dis not permit their clucidation. If we first fix its obligations beyond dispute, the consideration of the means may be approached with that confidence which the thorough man of business always feels when he knows what he has to do, and soon discovering the way. I should have carlier requested your indulgence for introducing this explanation, but have been absent from town.—Tax Author.

EAST HENDER MINE.—The offices of the company are at Mr. Blews', Bartholomew-street, Birmingham; the meeting held last week at Royal Exchange-buildings was merely a preliminary one, held in London for the convenience of shareholders.

merely a preliminary one, held in London for the convenience of shareholders.

Determinantly Decorates.—In my letter last week, a portion of Dickens's remarks on the Fh.D. was omitted; please give them, and oblige—B.

"Ben Jonson wrote in his day,—
"Hood an ass in reverend purple,
And he will pass for a eathedral doctor;'
and now, in our day, society is often hoodwinked by the agency of the much-revered vellow of twenty sovereigns (more or less) into believing in the erudition of any person who chooses to disburse that sum to some German university for the privilege of being addressed as 'Doctor.' Of all titles, none ought to be more respected; consequently, when improperly horne, the false pretence demands exponents. As now bartered for lucre, the prefix 'Doctor' is a distinction extrinsically without a difference; for, titularly, Dr. Jenner, Dr. Ahernethy, Dr. Hooker, or any other great man, stands in the same rank with Dr. Taws, who keeps a school and eannot spell; or Dr. Pamily Black, who has found it profitable to add a drug department to his grocer's shop; and who, like Dr. Taws, has paid his money to buy the privilege of adding 'Dr.' to the brass of his door-plate."

UNIVERSITY DEGREES.—I have read the correspondence on the degree question, and

bay the privilege of adding 'Dr.' to the brass of his door-plate."

University December.—I have read the correspondence on the degree question, and felt interested, from knowing English graduates who have proceeded to degrees abroad, besides Englishmen who have been educated altogether in German universities. I am able to say the evil is not so general as implied in "B." first remarks, and, indeed, "Germanicus" proved the existence of statutes against it. I believe there are more men is England than "B." is savar of whose ability rescues the diploma from the charge of veiling the ignorant. What Dickens says refers to Giessen, Erlangen, Jon, and seeh like; if he assails the superior colleges, he is romancing. The correspondence appears to arise from a loose generalization, and reminds me of the fable of the Gold and Silver Shield; all are in the right, and all in the wrong. If the parties will be content to regard diplomata emanating from Glessen, &c., as suspicious, without extending the reproach beyond proofs, all may be satisfied. "Master of Artu" said afficient to set the matter at rest; and both "Dancelm" and "Good" very lucidity explained how the swit would work its own care. Far my part, I should like to enlist the pertinacity of your correspondents against the existing monopoly of degree-granting at home. Since the days of Guttemberg, learning has been free as ab, and cannot be monopolised by any syndicate. I agree with "Germanicus," the ana who has attained a proper amount of learning should have the opportunity of scenting himself for a degree, and not be driven to write Latin theses for Giessen. Evidence and doctors' degrees granted by the Universities of Giessen. Evilangen, and Jennes. A Good of doctors' degrees granted by the Universities of Giessen. Evilangen, and Jennes. A doctors' degrees granted by the Universities of Giessen. Evilangen, and Jennes. A doctors' degrees granted by the Universities of Giessen.

and not be driven to write Latin theses for Giessen. A Univarity Man, and a Libral: Falmouth, Sept. 28.

University Droures.—The various classes of philosophe al doctors' degrees granted by the Universities of Giessen, Eriangen, and Jena, e, no doot, correctly stated by your corresponder "B," but it does not, in the lightest degree, prove that a retail druggist, or any other person, who has fairly armed the degree, is not entitled to affix the Ph.D. to his name. The bod effect of any degree being obtainable by incompetent parties cannot be doubted, and the annoyance which is experienced by those who hold degrees from the same faculties is, pushally very great; but there can be no more justification for men who have been fortunate enough to gain Ph.D. caus season daught to the control of the property of the property of the control of the property of t

Vewtilation of Coal Mines.—I observe that Mr. Austia replied in your last Joarnal to mine of Sept. 3, and he appears to think that I am unasquainted with his invention, my sole object being, at less, to annoy him. This is precisely the reverse of fact, since no one more than myself desires to see the restilation of unines improved, and the hard-working inventor (and I should sertainly consider Mr. Austia of this class) better rewarded for his labour. I am thoroughly conversant with the mode of applying the blocks, he having personally explained it to me, but I do not believe returning the air to the downess chaft would meet with general satisfaction, as the arrangements at the bottom, to ensure anything like success, must be complicated. I do not doubt for a moment the utility of any one of his inventions, and am convinced that many would be highly remunerative if earried out by men of capital, but I cannot forget that there is a "place for everything," and that men of business lose patience when a discussion on jointed blocks is esseaned with the praise of blue bricks, indurated stone, Thames embankment schemes, and of an invention for treating manure.—J. W.: Chy, Cer. 1.

CHY, Cer. 1.

CHY, Cer. 1.

the praise of blue bricks, indurated stone, Thaines embankment schemes, and of an invention for treating manure.—J. W.: City, Oct. 1.

Yentilatino Mines by Wayer.—On reading, in your last Journal, a remark of your Corn wall correspondent respecting a patent invention (by Capt. Manley) for ventilating mines, I recollest having read in old Freiberg Mining Records of a similar mode of ventilating mines (by means of tubes or pipes, into which alternately water and air is injected from the surface, both being discharged at the respective ends in the mine) having been actually in use; for example, in ventilating a deep adit (the Preudonstollen, in the Pochiberg) near Annaberg, its Saxony, as far backs at he 17th century. But I understood, and do so still, that the peculiarity of the late invention is that it dispenses with the use of moving machinery, such as rotating drum, &c., altogether—the mere flowing of the water being scaused, by a peculiar arrangement, to answer the purpose; and this circumstance would, I think, suffice to entitle the invention to the claim of being original.—C. J. G.: Sept. 28.

Yentilatino Mines by Water.—I was not a little surprised to see in your Journal of Sept. 19 that Capt. Manley had brought an action in the County Court against the purser of Soath Kilen Mine, for using "his patent invention" for ventilating mines by water through pipes, &c. I saw places ventilated (and worked in them) in Corniv haines by water falling through pipes before Capt. John Manley could possibly have known the principle, or, perhaps, the meaning of the word ventilation; and certainly he must be very ill-informed on such matters even to make a pretence of his being the author of ventilation by means of water through pipes, tubes, &c.—A Connian Minnes: Sept. 28.

Alm.-Environs.—Will your correspondent, Mr. Morshead, give some further particulars as to the quethod by which he process.

tuses, etc.—A Cornish Miner: Sept. 23.

kin-Evolues.—Will your correspondent, Mr. Morshead, give some further particulars as to the method by which he proves that "in theory air is superior to steam," as he might thus be the means of enabling ingenious persons, who have not had the advantage of regular engineering training, to try what they can do towards perfecting in practice that which is really good in theory.—H. J.: Oct. 2.

'A Subscriber" (Birmingham).—The offices of the English and Australian Copper Mining Company are at IT, Gracechurch-street. They have been established for some period. On application to the offices, we are informed that the secretary will afford any information to shareholders, or others interested.

Languageture of Inox.—I have read several extracts from Mr. Rosers's feetback.

afford any information to shareholders, or others interested.

Lanvacture of Ison.—I have read several extracts from Mr. Rogers's forthcoming "Treatise on Iron Metallargy," and suppose, therefore, that the author has really commenced writing; so that, considering the work was announced for Dec. 1856, and the first extracts appeared in Sept. 1857, we may expect to receive our copies, as subscribers, in the course of a few years, I suppose, by which time the work will probably be super-steded by some other treatise from a more expeditious workman.—H. C.: Oct. 2.—(The work is both printed and ready for delivery, but to secure the copyright for the United States its publication is unavoidably postponed until Nov. 1, upon which day all subscribers will receive the copies they require.]

124 FOR ENGINE-PIT.—Being about to put into an engine-pit an 18-in, lift, I beg to ask, through the Journal, some of its contributors to be so good as to inform me, from their experience, the best form of H. piece, working-barrel, and rum, and whether one lift or two, for a pit 130 yards deep, would answer best.—H. C. G. PLITTING ROCKS WITHOUT BLASTINO.—This practice is very common in the mines in

whether one lift or two, for a pit 180 yards deep, would answer best.—H. C. G. SPLITTINS BOCKS WITHOUT BLASTINO.—This practice is very common in the mines in Scandinavia. At the large sliver works of Kongeberg, on Saturday afternoon, when the men leave tebel rabour, they piace against the face of the rock billets of wood and faggots, which are then fired. On Monday, when the workmen refurn, the rocks are beated, and by slight blows of the hammer become disinitegrated. The country there is guess, and the lode felspar; the consumption of powder is but triding; it never being used unless the ground is of more thus average hardness. A similar process is practised in some of the workings in Hungary and Saxony, though it is not in such general use there as in Norway and Sweden.

"A. B." (Tavistock).—Several models of boring instruments are to be seen at the Government School of Mines, in Jermyn-street. If application were made there, probably from some of the pupils, a description could be obtained. The mining lectures commence early in November.

ANGLO-AUSTRALIAN GOLD MINING CONPANY.—Mr. W. A. Coombe, of Hanover Col-Austra-Mr. W. A. Coombe, of Hanover Col-

commence early in November.

ANGLO-AUSTRALIAN GOLD MINING COMPANY.—Mr. W. A. Coombe, of Hanover Cottage, and the other shareholders of this company who were anxious to obtain a public meeting, may now have an opportunity of disposing of their chares. An individual, bearing the cognones of "A. B.," and residing in Donghty-street, Gray's Isa-lane, wishes to purchase the scrip of the company: what use it is to be applied to it is not our province to enquire. The offices have long since been closed, the directors are all dispersed; we have no serveiury, nor has there come to hand any letters either from Capt. Bell, the superintendent, or Mr. Jonathan Falder, the resident director. Under all circumstances, it appears the most prudent course that could be adopted would be to accept any offer that "A. B.," might make. A committee of shareholders could meet and dispose of their interest to him: the initiative should, however, in the first instance, be taken by the larger holders, and it is their attention, through the medium of your columns, that I would draw to the subject: better to obtain a little than lose all. This company has been the most incomprehensible of all the gold adventures. They took our money in 1832; have never held a public meeting, or vouchanfed a word to their proprietary since then.—Scaras: Chancery-lane.

T. J."—The address of the North Wheal Basset office is 50, Threa and the Rosewarne United is at the mine.

and the Rosewarne United is at the mine.

antities Acceptation Gold Mission Company.—A few weeks since my attention was drawn to an advertisement in the Journal regarding this company, signed H. F. Ward; the tenor of it was that the directors had received advices from the scene of operations, which could be perused on application at the offices: these were of an unfavourable nature. I and many others reside in the country, and cannot take a journey to town to read reports of mines and operations; would it not be better, and more satisfactory to the general body of the sharsholders, if Mr. H. F. Ward would publish them? However unpalatable the news might be, he may rest assured we should receive it with resignation. As to expect any return from this mismaninged property, it would merely be hoping against hope.—H. D.: Bath.

The fifth volume of these "Transactions" are now ready, and will be forwarded from our office on the receipt of 11, 1s.; or any booksellar will supply it for the same amount.

from our office on the receipt of 11. 1s.; or any bookselier will supply it for the same amount.

First Allegado Frand.—It is to be hoped that the mode of doing business by Mr. Stockwell is not enstomary among mining brokers. A nobleman deposits security to the amount of about 6001, pays for discount and renewal of 5521, the small amourt of 1194; the day after some of his shares are sold for 1124, the rest being deposited with other parties, absolutely, as it would seem from the evidence, to raise the very money he is paying so desriv for. He feels dissatisfied about the securities; on enquiring where they are, and his agent threatening the party who detains them with an interview with the Lord Mayor, the latter immediately takes out a summons, charging him and another with conspiracy to defraud, and is absolutely endeavouring criminally to proceed to an it still runwing. Such inconsistent, unparalleled conduct, I believe, has never been heard of before, and if such be the general practice of mining brokers, the scooner they repudiate it the better, as, if such sharp practice be encouraged, they will find no respectable people will deal with them. I know not what redress the law affords the defendants, but it must be very defective if individuals are to be anoyed and inconvenienced—their good name dragged in the mire with impunity. It is true, but the defendants laft he court with an unsulled character, while the plaintiff, who could not recognise his own handwriting, cut but a very sorry figure. Some may arge the exposure in the witness box was sufficient recompense, and if the aggrieved parties are satisfied no one has a right to complain; but as one of the public having dealings in mines, I wish to know whether Mr. Stockwell's mode of doing business is the rule or the exception !—Joe-TITLE I. London, Sept. 30.

BOY SELFRUILDING.—Much has lately been said about the superiority of wooden over

arria: London, agh. so.

and Surputiding.—Much has lately been said about the superiority of wooden over
iron vessels. I would call attention to the good condition of both the Urgest and
Perseverance. One of these vessels has performed a great amount of work during
the last twelve months. Mr. John Clare, jun., having his model ready, will be
better able to demonstrate his views; and it is some estisfaction now to perceive
that the merits of this national subject are in a fair way of being tested.—Metal.

that the merits of this national subject are in a fair way of being tested.—METAL.

son SHIPRUILDING.—Mr. John Clare, jun., has his model now ready. Would it not
be a gracious and just act if those concerned in the iron trade, as well as the merchants who are so much interested in the speed and security of our mercantile
marine, were to subscribe to build a vessel on his plan, in order further to test the
capabilities of the method which he has laid down?—NAUTILUS: Get. 1.

Vary Consola Ming.—Please correct an error which appeared in the accounts sent
of the meeting held on the 21st inst. Instead of a balance in favour of adventurers,
it should be, balance against adventurers, 711. 10s. 7d.—W. WILLIAMS: Sept. 30.

It anomal De, Dalance against arventurers, 711. 10s. 7d.—w. Williams: Sept. 30. TYPES AND QUARANCES USIRED MINING ASSOCIATION.—Early in May last you announced that the Aiten and Quantum Mining Companies, at a special general meeting, had by mutual consent resolved themselves into a United Mining Association, under the Limited Liability Act. Not having seen a prospectus of the new company, either advertised or noticed officially in your Journal, ann you-inform your readers in the country whether the resolution adopted last May has been carried into effect, and if not, what the impediment is ?—Scare: Liverpool, Sept. 29.

company, etnew anvertised or inclusive to meanity in your Journal, only you be provided into effect, and if not, what the impediment is 1 - Scare: Liverpool, Sept. 29.

The Great Northern Railway Accident is the series point of the heart-rending accounts of the appailing accident on the Great Northern Railway, and the more so because, some months ago, it ransmitted circulars to most of the leading railways in the United Kingdom, pointing out a very simple and, at the same time, exceedingly efficacious and economical method by which, as in the present case, the passengers in the carriage where the axle broke—if that was really the cause of the accident—might, and no doubt would, have instantaneously communicated with the guard or engine driver; but only three of the companies had the politiceness to write me, declining my invention. The Great Northerm in all probability has by this single occurrence suffered more damage, indepandently allogetier of the dreadful sacrifice of human life, than the use of my patent would have cost them for 20 years to come. I wish you to give publicity to this letter, because I humbly think that the time has now arrived when railway companies ought to be compelled to use all accessary and practicable precoations for guarding against such accidents; for as trade and railway traffic improve (as they are now doing) the danger from breaking of axies, and confingration of carriages through friction and other causes, will proportionally increase.—J. G. Taxton: Glasgow, Sept. 26.

Fallacius of Abverriers.—"Alpha" condemns the manner in which, through the medium of advertisements, mines that, in many cases, are worthless are usbered into public notice, as well as the mode in which sometimes they are managed. These, in some instances, are patent facts. An advertisement, however, generally bears no authority with it; it merely gives publicity to a certain dictum, and can only be taken for what it is worth. The value of such assertions must be weighed according to the authorities from whence t

in Rerease.—We are preparing the list of quarterly returns for pair a cursory glance thereat, we find that the accounts cent us, and publicare very far from the actual returns; therefore, we again request my pursers, and adventurers to send us, as early as possible, the actual a respective sales.

as secully correct as possible.

Inquirer" (Liverpool).—The paper on "Copper Smelting," by Mr. J. T. Countries, which lately appeared in an American paper, was exclusively written for this real, being one of the first published, and appeared in our columns in 1845, p. 25.

"I. H. K" (Ashby-do-la-Zouch).—The property of the Anglo-Californian Company associating to the report of the late directors, has been attached by a Mr. Jung Daggan, formerly of Kerry, for a debt contracted by Sir Henry Hankey, which directors deny any cognisance of. The suit between the superintendent and directors deny any cognisance of. The suit between the superintendent and directors deny any cognisance of the suit between the superintendent and directors deny any cognisance of the suit between the superintendent and directors deny any cognisance of the suit between the superintendent and directors deny any cognisance of the suit between the superintendent and directors deny any cognisance of the suit between the superintendent and directors deny any cognisance of the superintendent and directors deny any cognisance of the superintendent and directors deny any cognisance of the superintendent and directors deny and cognisance of the superintendent and

THE MINING JOURNAL

Railway and Commercial Gagette.

LONDON, OCTOBER 3, 1867.

The Sales of Copper Ore at the Cornwall Ticketings, during the quarte ng September 30, 1857, were as follows:

hat		. 4	Av. at	and.	. 1	rod.	1	rie	e.	- 1	ons o	re.	Pine	00	p.	Amo	mi.
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		Total	al for	the	quan	ter					45,676	·	2941	11		£287,78	1 1
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		Tot	al for	the	Year					19	94.73		12570	1		1,265,39	1 1
		Sho	wing	a qu	arte	rly at	rerag	e of			18,684		3142	10		316,33	
																299,27	
R	. 6															ved th	

By the foregoing statement of facts, it will at once be perceived that a quarter just ended shows a very considerable reduction in the yield of Cornwall and Devon mines, in tons of ore, fine copper, and money, all we really do not see, notwithstanding the fair prospects in many of the dividend and prospective mines, whence the ore and metal is to be derived in those counties to provide the 200 or 300 tons of fine copper that they at present do not bring to market. We have good reason to believe the they cannot furnish it, from the fact that, with five or six exceptions, they were all short during the quarter just ended; consequently, the present standard should fairly be supported.

The variation during the last nine months has been pureling factors.

The variation during the last nine months has been puzzling-for in-On Jan. 22 ... On May 21 ... On July 23 ... On Sept. 17...

On July 23

On Sept. 17

On Sep

The Sales of Copper Ore at the Swanses Ticketings, during the quarte

			Tons of ore.	
ly 7	£112 11	15%	2202	
, 21	. 112 9	14 7-16	1876	19,259 10
g. 4	. 123 4	11%	1519	
, 18	. 123 6	14 1-16	2731	
pt. 8		1314	2347	
, 22	. 126 6	14%	1614	25,421 14
Total	for the qua	irter	11,789	£172,863 17
Ditte	o, ending Ju	ne	9,350	143,702 5
Ditto	, ending Ma	reh	9,976	169,320 1
Ditte	, ending De	neember	9,471	142,474
Total	for the yes	ır	40,586	£028,349 19
Showing a qu	parterly aver	rage of	10.147	157,087 9
Correspondin	g quarter, S	Sept., 1850	10.761	145,347 6

A different result is here shown to that of the Cornwall sales for the quarter just ended. They are much below the average, whilst the Swisses sales show a very large excess over all those preceding it, as far last as June, 1855. This result has been occasioned by increased quantities brought to market from the following mines:—Cobre, Cuba, Saniago, Chili, and Carmen, foreign mines; and Berehaven on the part of Irelast During this quarter the standard has advanced very considerably, which accounts for some portion of the amount of excess, and whilst it continues.

accounts for some portion of the amount of excess, and whilst it continue to the continue to furnish forth all the mines, foreign, Irish, or elsewhere, will continue to furnish forth all the produce they possibly can.

The returns of the Board-of Trade of the exports of the United Kingdom for the month ending Aug. 31, as well as for the eight months terminating on the same day, do not quite come up to the average incress which the preceding months have shown in almost every description description of the produce and manufacture of this country.

The total declared value of the exports during August was 11,638,86%, and the total for the same month in 1856 was 10,753,292%: it necessarily follows that there is an increase of 885,513, which is at the rate of of only 10,626,156%, for the year; whereas it will be remembered that the return for July gave an excess over July last year at the rate of 26,799,672 for the 12-months; while the generally estimated increase during this year over 1856 is expected to be about 20,000,000%. With respect to the eight months ending Aug. 31, we find that the aggregate value is set down a 84,666,718%, against 74,689,934% during the same period of 1856, which the increase in the seven months was equivalent to 15,685,30%. The great falling off, therefore, is in the shipments of the month.

The heavy depression or ourtailment in the exports, as shown by the

eral tabl Of what

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o 13,501, ponding p hown of 1 nlue of si at 2,465,75

6,971,162. with a tot 5,348,490, Rast India
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J. T. Crow, for this Jon. 1845, p. 184, ian Compan, a. Mr. Jama ey, which to mt and direction to the able to being then attended to all to. I make the same of the

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Amount. 8,952 1 6 9,250 10 6

7,991 1 6 1,156 13 6 5,071 14 6 5,431 14 (3,852 17 3,709 5

320 9 6 2,474 8 6 3,849 19 (7,087 9 6 3,347 6 6 he Swan-far back

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of only of only of returns 6721. for this year the eight down at 6, which annum, 185, 2041.

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card tables, is not borne out when we come to consider separately the signeents which have been made during the eight months of all the artifuguents which have been made during the eight months of all the artifuguents which have been made during the contrary, the average interestable by the returns of the seven months is furnished by the reason of the seven months, consequently, the increase for the eight months ought to have month; consequently, the increase for the eight months ought to have month; consequently, the increase for the eight months ought to have ment of 1,302, and 16,0522, short of the average of the seven. The total dejection of the seven is as mentioned.

Of what may be termed "metals"—that is, iron, steel, copper, brass, of which may be termed "metals"—that is, iron, steel, copper, brass, of which is a passage period of last year was 11,970,782L, an increase is consequently come of 1,530,852l. The details will be found in another column. The alund steam-engines and other descriptions of machinery is set down at 2,465,723L, against 1,634,191 in 1856—an augmentation of 831,632l. The value of hardwares and cutlery is declared at 2,688,815L, which was 1,282,132. for the eight months of last year, or an increase of 360,602l. Devalue of hardwares and cutlery is declared at 2,688,815L, which was 1,373,940l—therefore, an improvement of 238,202l.

The total number of vessels employed in the transmission of these expert was 29,847 during the eight months, with an aggregate tonnage of 5,348,490, were necessarily sent forward to foreign countries. Of the former category, 891 vessels, with a tonnage of 376,223, sailed for our different possessions in North America; but 441,928 tons were sent to the former category, 891 vessels, with a tonnage of 919,437; then follows to fiftee the sight months, with a naggregate tonnage of the former category, 891 vessels, with a tonnage of 919,437; then follows a foliated the sight months, and the tonnage of 919,437; then follows a foliated to the sight months, and the t

"men of 1,555,3856.; of pig.-iron, 187,9591.; of cast-iron, 16,7177.; and of weight, 1,2071. being together, 2,146,3281. Of these articles, Ausmin took collectively to the value of 511,2541.

We briefly alluded in our last Journal to a case which has within the intermination of the control of the control

chief magistrate of Mr. Stockwell's mode of doing business, pronounced in open court, and we offer no comment upon it, emanating as it does from the first constituted authority in the greatest commercial city in the world.

With the ulterior results that may arise from the case it is not our proviace here to deal. Probably further proceedings, as intimated by Mr. Sirior, will take place. The bill was not due, the securities were in the hands of Mr. Stockwell; yet, with all this, he charges parties who are now declared innocent with an attempt to defraud him. This has been rebutted, and in a civil action he will, no doubt, have the opportunity, as defendant, of hearing the case anew. This advantage he will have—that the plaintiffs will have to undergo the ordeal of the witness-box, which was so condemnatory at the Mansion House to his suit.

Those who are at all acquainted with the constitution of Wheal Zion and its appointifies, must have plainly seen that other influences were at work besides those which were produced in court. Such displays as these tend greatly to injure legitimate mining; and the attempt, for the purpose of obtaining a particular object, to drag a person with a noble name into publicity was not only unmanly, but, at the same time, un-English, and such as we should have thought no one of the Anglo-Saxon race would have been guilty of. Whatever dissensions may occur in public companies generally, the spirit of Britons has been such that their quarrels have been settled either by accommodation or a manly struggle—a hand to hand fight. Those who have been beaten have retired, and the victors have remained masters of the field. If wrong be done, neither rank or passed to the position should shield individuals from the consequences; but

per, and to all concerned in mining we would give this little word of advice—be cautious with whom you deal.

The Government of Victoria has given notice to that of South Australia that, in consequence of the latter having declined to pay her proportion of the subsidy for postal communications between the mother country and the Australian colonies, her mails will not be sent home by the overland route. This refusal on the part of South Australia arises from the fact that the steamer passes harbours on her own coast on its way to Melbourne, and the bags, therefore, have to be returned to her port by local stoamers. The attention of the home Government has been called to this unsatisfactory state of things between the two local Governments, which entail so much inconvenience to the merchants and traders, and we find that the Post-office authorities in London contemplate a slight modification of the existing course of the steamers between Suer and Melbourne, is the great desideratum of the colony, and can be effected with facility by the plan we pointed out in the articles on this subject in our Journals of August 8 and 15—by the steamer delivering the bags for Adelaide, &c., at Nepean Bay, Backstairs Passage, which is within a few hours' sail of her own port. It is accossible in all weathers, and affords every accommodation for vessels of the largest tonnage. We believe that the adoption of this suggestion is the modification under discussion by the home Government. Considerable advantage would accrue to all the Australian colonies by making Nepean Bay the first and last place of call to and from Suez, and would put an end to all existing causes of complaint; for, by simply laying down a submarine telegraph from this bay to Cape Jervis, and thence across the country to Goolwa, a total distance of only about 60 miles, there to join the wires between Adelaide and Melbourne, direct telegraphic intercourse would be established before the delivery of the bags according to presentarrangements; while on the return voyag

The question of assuring agricultural produce—both crops and cattle—has of late been brought seriously before the attention of public men in France. The very heavy losses that have been sustained during the last few years by the provinces, from the effects of floods, hailstorms, frost, and cattle disease, to say nothing of the grape and potato blights, and which are estimated to cost the community on the average 80 millions of francs annually, constitute the case of those who urge the importance of the question being investigated and settled at once. There has been no hesitation on the part of the Government as to the expediency of introducing and encouraging the principle of farm assurances: the only double and encouraging the principle of farm assurances: the only double been, whether it should be done by the State, or left to private enterprise—whether assurance should be voluntary, or whether agriculturists should be compelled to assure their stocks, by means of a particular and special tax, levied upon them alone. There is every reason to believe that Government, having its hands quite full already, would gladly leave the matter to private enterprise; but it is felt that, in this case, there would be great difficulty in winning the confidence of peasant farmers—proverbially suspicious—so as to induce them to insure in sufficient numbers to render assurance operations self-supporting and independent of Government aid. On the other hand, it is contended that, for the State to undertake the assurance of farming stock would be to carry out still further those Socialist principles with which the Government is held to be toodeeply incoultated as it is. It is believed that subventions would henceforth figure in the budgets, and already from two to three millions of francs are annually applied, out of the public treasure, in the shape of assistance to agriculturists. A state assurance system, it is believed, would result in the taxation of industry and commerce for the protection of four assurance companies agains

tality of cattle, to be united into one General Bank of Agricultural Assurances. The president and directors are to be named by the Emperon, and the mayors of the different districts and communes are to act as agents of the bank. The assurance is to be voluntary, but great reliance is placed on the influence of prefects and Government officers to render the practice almost universal. This project, which is the most feasible of any that have been submitted to the public in relation to this important question, has been carefully and calmly analysed by the M. Henri Cozie, in a series of articles published in the columns of the Paris Estafette, and which have just been republished in the shape of a pamphlet.

One of the most gratifying features in the social economy of the age in which we live is the increasing evidence of forethought and provident habits, as shown in the multiplication and extension of assurance societies and savings' banks. More accurate calculations, based on more perfect tables of mortality, and improved modes of management, resulting habits, as shown in the multiplication and extension of assurance societies and savings' banks. More accurate calculations, based on more porfect tables of mortality, and improved modes of management, resulting from experience, have combined to place the system of life assurance on a very secure and satisfactory basis. Many provisions have been devised to enable the large class of the community whose incomes are fluctuating and precarious, and to whom, therefore, life assurance is the more necessary, to avail themselves of its advantages. It has been shown, from carefully-compiled statistics, that the premiums paid on discontinued policies amount to more than 2,000,000% annually. This enormous sum represents contributions from the class having uncertain incomes, to which we refer; and thus, when circumstances oblige them to forfeit their policies, the considerate savings of the more prosperous days go to swell the surplus capital of assurance companies. This casualty is to a limited extent provided for in some of the more recently-established institutions.

The money deposited in savings' banks averages about 6,000,000% per annum. Depositors have no security other than the amount deposited; their deposits must not exceed 30% a-year; no interest is allowed on more than 200%, and the actual interest obtained is only from 2 to 2\frac{3}{4} per cent.

We are led to direct attention to these facts from our observation of the working of the Eure Assusance Transuture, which has been incorporated to afford facilities to the great mass of the community to invest their savings, of whatever amount, at a profitable rate of interest; and to provide for their families or representatives all the advantages of life assurance, on principles at once convenient, simple, and secure. The advantages of life assurance, on principles at once convenient, simple, and secure.

honourable men do not expect at every step to be environed by the dirty chicaneries of the law, or that ready tools will be found to throw themselves into the gap at the bid of unscruptions intriguers. It is such as this, and other cases we could allude to, that have deterred many capitalists from embarking in mining adventure, not only on account of the liabilities they may incur, but likewise those they are brought into contact with. Many who know nothing of mining would be willing to adventure a little money, but we question much whether the publicity given to this case will induce them so to do. We regret that it has occurred; at the same time, we can assure our readers that there are yet many men of business who deal in shares with regularity, who when they have sold states such has been the fact, and do not diaguise it under the term "dealt."
This has been an isolated case: legitimate enterprise must and will prosper, and to all concerned in mining we would give this little word of advice—be cautious with whom you deal.

The Government of Victoria has given notice to that of South Australia that, in consequence of the latter having declined to pay her proportion of the subsidy for postal communications between the mother country and the Australian colonies, her mails will not be sent home by the overland route. This refusal on the part of South Australia arises from the fact that the steamer passes harbours on her own coast on its way to local stamers. The attention of the home Government has been called to this unsatisfactory state of things between the two local Governments, which entail so much inconvenience to the merchant and traders, and we find that the Post-office authorities in London contemplate a slight modication of the existing postal route, so as to adjust the differences, and to remove the dissatisfaction of the South Australians. A direct postal communication with South Australians. A direct postal communication of the existing postal route, so as to adjust the differences, and to remove t

the public, of which we believe large numbers will willingly avail themselves the more its principles and working are understood.

On Monday next, the Government School of Mines. Jermyn street, will again commence its career of useful industry. The courses of chemistry and physics are the first in order, which will be led by Profs. Hormann and Stokes. In the subsequent week Dr. Pracy will inaugurate the metallurgical curriculum for the ensuing season. Mr. Warnoton Santh, on Nov. 2, will again discourse on mining. These will constitute the first course, which will terminate in the middle of February, after which period mineralogy, geology, natural history, and applied mechanics will be treated of by their respective prefessors.

There are numbers who would willingly attend these lectures if they were enabled so to do. The information diffused by them is now acknowledged to be of sterling utility to all those connected with mining pursuits; and it is, we believe, now only a very few—and these the most prejudiced—who do not acquiesce in the benefits they have conferred on those who have been enabled to profit by the teaching afforded them.

It is our intention, through the medium of the Minnso Journat, to afford a summary of all the lectures which bear more especially on mining and the sciences allied to it. The study of metallurgy has been long neglected in England, and many of the text books published on this subject have been merely translations from foreign works. The lectures which have hitherto been delivered by Dr. Pracy have been marked by a total absence of all scientific pedantry, and the chemistry of metals has by him to his pupils been rendered easy. The teaching of Mr. Warnoton Santh, in the mining department, has been eminently practical; and as far as such branches of mineralogy as crystallography could be treated practically, such has been the case. The magnificent fluxeum which is at the disposition of the pupils is likewise a great advantage, as they have the finding Record Office will be found l

wour to eradicate this great and crying evil.

We are told that in the most glorious days of Rome the boys were required to learn the 12 tables of the law by heart, and at the present moment, in the United States of America, the federal constitution is made the subject of a book, which is placed in the hands of every schoolboy; had the importance of a knowledge of the laws by which we are governed been as fully recognised in England, and had the shareholders in the Lonnon AND West of Relland Fishing and Fish Manure Company received the benefit of a little legal instruction, we should probably have been spared the painful duty of alluding to the extraordinary conduct of Col. Daniel, with regard to the winding-up of the company. It will be recollected that the company was registered under the Joint-Stock Companies Act, 1856; and, although at the time the concern was brought before the public there seemed every prospect of success, it appears that circumstances have since rendered it necessary that it should be wound-up.

The simplicity and effectiveness of the Act of Parliament offered every facility to the shareholders for winding-up without the interference of a court of law, and with a very small expenditure; consequently, upon the shareholders discovering their position, a special resolution was passed for winding-up voluntarily: a liquidator was appointed, and his remuneration was agreed upon. To this resolution, which was passed on Aug. 14, Col. Daniel was a party, and yet the same day he made an application to the Court of Bankruptcy to have the company wound-up by the Court, "How far he was justified in this course will be decided by the result of the hearing before Commissioner Holmorp, on Oct. 21; but, from the Act, it appears certain that the petition cannot be maintained.

The Commissioner contended that Col. Daniel was not "out of Court," as the resolution was not special until it had been confirmed, and were the 34th the only clause bearing upon the subject we might be inclined to entertain a simila

tion was passed for winding-up voluntarily, no steps could legally be taken for having the company wound-up by the Court, and upon the same principal, had a petition been presented for winding-up by the Court, no resolution could have been passed for winding-up by the Court, principal, had a petition been presented for winding-up by the Court, by clause 64, it is enacted that "the winding-up shall, if the company is wound-up by the Court, be deemed to commence at the time of the presentation of such petition as is hereinafter required to be presented to the Court; and if the company is wound-up voluntarily, be deemed to commence at the time of the passing of the resolution authorising such winding-up."

Now, if the Commissioner contend that the resolution was not special until it was confirmed, surely he will not deny that by the 64th clause the winding-up commenced on Ang. 14, immediately upon the resolution bening carried; for it distinctly reads, "the time of the passing of the resolution authorising such winding-up," and not "the time of the confirmation of the resolution," as it decidedly would have read had such been intended. We can only look upon the proceedings of Col. DANIEL as those of a person easily persuaded to run himself into difficulties; and we have no doubt that the protection which the Act affords to shareholders generally against the vexatious attempts of individuals to cause unnecessary litigation will be borne out by the Commissioner dismissing the petition.

Since writing the above, Col. Daniel's petition has been withdrawn: it being stated that he took this step in deference to the majority of the sharcholders. Mr. Vallames, who represented 83 out of 130 sharcholders, said that the directors courted every enquiry: they were justified,

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under the terms of their Deed of Settlement, in commencing with the capital which had been subscribed. The Commissioner observed, that in cases of this kind, where a meeting of shareholders was duly advertised, the attendance was of secondary importance if the meeting was properly convened; and it might be assumed that absent shareholders assented to the course determined on at the meeting.

THE IRON AND COAL TRADES OF STAFFORDSHIRE, FROM OUR CORRESPONDENT IN WOLVERHAMPTON.]

-The preliminary meeting of the Ironmasters Association was held at Wolverhampton on Wednesday last. As no idea was entertained of any alteration being made in prices, the meeting excited little interest, and was thinly attended; and, probably, the increasing tendency to treat the trade prices as a merely formal matter may have helped to diminish the trade prices as a merely formal matter may have helped to diminish
the interest felt in the meeting. A motion was passed formally maintaining the prices of last quarter, which are—for bars, 9l.; heops, 10l.;
sheets, 10l. 10s. There is no particular alteration in the position of the
trade. The late monetary panic in America had the effect of considerably diminishing the orders from that country. Several of the cautious
merchants countermanded their orders, while others were declined by the
manufacturers, in the state of uncertainty as to commercial credit which
prevailed. Happily the effects of the shock on the commercial interest in
the United States are passing away, and a better demand may be expected
from that quarter soon.

from that quarter soons.

Pig-iron shows signs of increasing firmness. The ruling prices of good hot blast qualities are from 3l. 15s. to 4l. Some three or four makers who use very superior ore ask 4l. 2s. 6d., whilst inferior qualities may be purchased as low as 3l. 10s.

chased as low as 3t. 10s.

In another column will be found an account of the progress of the South Staffordshire iron trade during the last five years, from which it would appear that the consumption of pig-iron is quite equal to the supply, and it is probable that as soon as the slight stocks which accumulated during the hot weather are disposed of prices will be much firmer.

The General Trades of the district are tolerably active, notwithstanding the Indian troubles. The Tin and Japan Trades—a branch of manufacture largely dependent upon the Indian market—are very active at the present time.

The Coal Trade is active, both supply and demand being good. Prices are unaltered. Ironstone remains at about 18s. per ton for best qualities. The Earl of Stamford has commenced sinking for coal upon his Enville estate, and it seems probable that ultimately not only Enville, but Himley, Wombourne, and places in the direction of Claverley will become iron produing districts.

estate, and it seems probable that ultimately not only Enville, but Himley, Wombourne, and places in the direction of Claverley will become iron-producing districts.

The inquest held on the body of George French, the doggy who was one of eight persons killed at the recent colliery explosion at Netherton, concluded on Monday last. The facts elicited during the inquest are—that the "crop" side of the colliery in which the explosion occurred was very liable to sulphur in unfavourable states of the weather, and this liability had been increased by repeated falls of coal in the workings, which had impeded the ventilation. On the morning of the accident the charter master had descended the pit and forbidden anyone to enter the side of the colliery on account of the presence of sulphur, but the doggy, as is supposed, desirous of removing the fall of coal and restoring the ventilation, entered the workings on the "crop" side with other men, and an explosion was the consequence. It was supposed that he had taken in a candle, but none was found. His safety-lamp was found in a perfect state some yards from him. Mr. Brough, the Government Inspector, had, as early as Sept., 1866, visited the colliery, and pointed out to Mr. Mills, the proprietor, the necessity of increased ventilation. Mr. Mills promised that a gate road, such as Mr. Brough suggested, should be made, and repeated this promise from time to time. The ventilation and machinery of the colliery were greatly improved, but the ground bailiff considering it unnecessary, the gate was never cut. Mr. Brough thought if this had been done the stoppage caused by the fall of coal might have been essily removed, though he admitted that the accident might, notwithstanding, still have occurred. The jury consulted for considerably more than an an hour, and returned the following verdict:—"That the deceased came by his death by an explosion of sulphur, which had accumulated in the pit, but what fired it there is no evidence to show. They, at the same time, are of opinion that

STATISTICS OF THE BLAST AND PUDDLING FURNACES OF SOUTH STAFFORDSHIRE.

Ocr. 1.-By the courtesy of gentlemen who have taken the trouble to ascertain the facts, we are enabled to lay before our readers a detailed statement of the number of blast furnaces and of puddling furnaces in the district comprised in the mineral basin of South Staffordshire at the end of the month of September of the present year.

The last authoritative statement on this subject appeared in the Appen dix to the Records of the School of Mines, published in 1853, which gave

1020	g outsiden enose berroas.	Tokan.		2001	- 4	HOLDINGS.	
	No. blast furnaces in blast	127	*****	157		30	
ā	Out of blast	32	*****	22		***	
	Total	159	*****	179	*****	20	
	Mr. and illing formages	1469		9097		202	

this district contributes in only a slight degree, the increase of nearly 40 per cent, in the number of puddling furnaces in rather less than five years e is fully maintain-eture. It may also affords most convincing proof that South Staffordshire is fully maintaining its relative position as a seat of the iron manufacture. It may also be remarked that the standard of quality in South Staffordshire has been gradually rising, and a very general feeling prevails that its iron manufacturers will do best by directing their energies to the production of a

facturers will do best by directing their energies to the production of a superior quality of iron.

With reference to the more rapid increase of puddling furnaces as compared with blast furnaces, the facts presented by these returns would go to show that the increase of the production of jugs has not kept pace with the increase of production of the manufactured articles. But this difficulty is partly explained by the fact that the average consumption of each fluddling furnaces is rather less than it was a few years ago, whilst the new blast furnaces recently erected are generally somewhat larger than those previously existing, and improved processes have resulted in increasing the production of the blast furnaces generally from 5 to 10 per cent. as compared with the production of 1862.

Besides the pig-iron produced in the district, some 1530 tons are brought into the district weekly from North Staffordshire, North and South Wales, Derbyshire, and the Forest of Dean, which is employed to mix with the South Staffordshire ore. On the other hand, some 2000 tons are consumed every week in the various foundries of the district, leaving rather less than the quantity of pig-iron produced in the district, leaving rather less than the quantity of pig-iron reduced in the district for use in the puddling furnaces; and after making all allowances, it would appear that the consumption of pig-iron is fully equal to, or rather in excess of, its superior quality of iron. With reference to the

supply. The fact that during the last two months pig-iron has been rather flat, may be accounted for by the diminished make at pudding furnaces during the unusually hot weather of last summer. Supposing the 157 blast furnaces now in blast to produce each 110 tons of iron per week, and deducting for the excess of the consumption of the foundries over the quantity of pig-iron imported into the district, it would give an average consumption of full 8½ tons per week each puddling furnace. In full work a puddling furnaces will consume 12 tons of pigs weekly, but repairs are frequently necessary, and other causes prevent their making so large a quantity of iron as they are capable of producing when in full operation, and it may be mentioned that of Lord Ward's 45 puddling furnaces 22 are not yet in work.

The former of the following tables shows the number of blast furnaces throughout the district in and out of blast at the present time, and the latter the number of puddling furnaces. The tables have been very carefully prepared, but possibly errors may have crept in, which we shall be happy to correct if advised of them. The statement will then form a valuable and interesting record of the South Staffordshire iron trade.

BLAST FURNACES IN SOUTH STAFFORDSHIRE-SEPT. 1857

٠	BLAST FURNAUES IN	SOUTH STAFFORD	SHIRE-SEPT.	, 180
	Proprietors. Davis and Bloomer	Name of Works.	Neighbourhood. 1 Walsull	n. 0
	Woodall and Smith	Hatherton	Ditto	2
1	Ditto	Windmill End	Dudley	8
i	P. C. Perry	Old Birch Hills	Walsall	2
	Highway Brothers		Ditto	2
ı	John Jones	New Birch Hills	Ditto	8
)	Riley and Co		Ditto	2
	Samuel Mills			3
	Addenbrooke and Co.		Ditto	2
1	David Jones		Ditto	1
i	Chillington Company	Chillington Company	Wolverhampton.	4
1	Ditto	Moseley	Ditto	3
2	W. and J. Sparrow and Co		Ditto	
-	Wm. Ward and Sons	Priestfields	Ditto	3
	W. Riley and Son	Millfields	Ditto	3
	Pool and Co	Wolverhampton	Ditto	2
8	Parkfield Iron Co Hickman Brothers	Parkfield	Bileton	1
	Blackwell and Co	Bilston	Ditto	5
	Baldwin and Co	Bovereux	Ditto	1
	Hickman Brothers	Stonefield	Ditto	
3	J. and J. Turley	Coscley	Ditto	2
	H. and B. Whitehouse	Ditto	Ditto	2
9	Thos. H. Pemberton	Deepfields	Ditto	2
	Jno. Bagnall and Sous		Ditto	1
	B. Gibbons, Jun	Hallfields	Ditto	i
	Lloyd, Foster, and Co	Old Park	Wednesbury	3
	S. Groucutt and Sons	Broad waters	Ditto	3
B	Job Haines and Co	Willingsworth	Ditto	3
8	G. Thompson and Co	Crookhay	West Bromwich.	2
4	Jno. Bagnall and Sons	Gold's Hill		2
ė	J. Colbourn and Sons			3
e	Gibbons and Roberts	Tipton	Ditto	3
	E. Creswell and Sons	Ditto		2
-	Thos. Morris and Sons		Ditto	2
a	Lord Ward	Conygree	Ditto	2
1	Wm. Bennitt	Oldbary	Ditto	4
t	P. Williams and Sons	Union	Ditto	4
,	Firmstone and Co	Oak Farm	Ditto	3
	J. Bradley and Co		Ditto	4
1	B. Gibbons		Ditto	3
	Hall, Holderoft, and Co			i
7	W. Mathews	Ditto	Ditto	4
5	W. and J. Pirmstone		Ditto	3
	Hall, Holdcroft, and Co Ditto			1
a	Lord Ward	Ditto	Ditto	8
	Cochrane and Co	Netherton	Ditto	2
8	M. and W. Grazebrook	Parkhead	Ditto	1
đ	Every and Marten W. Haden	Dixon's Green	Ditto	1
n	Dawes and Bons	Withymoor	Ditto	2
0	British Iron Company	Bumble Hill, &c	Ditto	6
	T. and J. Badger	Willenhall	Wolverhampton.	3
	H. Richards	Stour Valley	Dudley	
	Total			157

MILLS AND FORGES IN SOUTH STAFFORDSHIRE DISTRICT, WITH THE NUMBER OF PUDDLING FURNACES

	WITH THE NUM	BER OF PUDDLING	G FURNAUES.		
	Ino. Bradley and Co	Stourbridge Works	Stourbridge Kingswinford	23	1
	Ditto	Brierley Works	Kingswinford	38 34=	
ı,	Ditto	Shut End	Ditto Wednesbury	26	95
1	Ditto	Lee Brook	Ditto	28	
L		Gold's Hill	Tipton	31=	85
1	G. B. Thorneycroft and Co	Shrubbery Works	Wolverhampton.	40	
L.	Ditto	Swan Garden	Ditto		70
P		Bloomfield Works	Tipton	56 22	
ı	Ditto	Factory Works Tipton Green	Ditto	11=	89
L	Ditto Chillington Iron Company	Chillington Works	Wolverhampton.	56	00
ľ	Ditto	Lee Brook	Wednesbury	23	
ì	Ditto	Bradley	Bilston	14	
١.	Ditto Walter Williams	Capponfield	Ditto	16=1 50	.09
Г	Walter Williams	Albion Works	West Bromwich.		62
b	Ditto British Iron Company	Great Bridge	Tipton	56	0.4
ľ	Ditto		Ditto	18=	74
l.	Jones and Murcott	Spring Vale	Bilston		68
ı.	John Dawes and Son W. and J. Sparrow and Co	Bromford Works	Oldbury		51
1	W. and J. Sparrow and Co	Oster Bed	Wolverhampton.	26	**
1	Ditto	Bilston Works	Bilston	32=	58 32
1	Philip Williams and Sons J. Walker and Co	Wednesbury Oak Patent Shaft Company	Tipton		48
ľ	Lord Ward	Hound Oak	Wednesbury Brierley Hills Kingswinford		45
1	Lord Ward	Corbyn's Hall Works	Kingswinford	2	40
п	Solly Brothers	Lee Brook	Wednesbury	25	
1	W. Riley and Son		Ditto	15= 26	43
1	W. Riley and Son	Highfields Works Regent Works	BILISTOR	12=	38
1	Ditto	Dwadlow Works	Ditto	33	~
	Ditto	New Bradley Works Millfields Works	Ditto	9==	42
L	Browning and Jackson	Millfields Works	Ditto	24	
L	Ditto	Deepheids Works	Ditto	11=	35
Г	Brown and Frere	The Lays	Dudley	28	38
ı	Ditto	Old Charact Cab	Ditto	10=	27
	J. and E. Walker Atlas Iron Company	Atlas Works	Tipton		13
ı.	Oak Parm Company		Kingswinford		38
ŀ	B. Jeffries	Hart's Hill Works	Brierley Hill		30
ı	R. Jeffries E. Creswell and Sons	Tipton Works	Tipton Wednesbury	20	
1	Ditto		Wednesbury	11=	31
Г	Thomas Wells	Moxley	Ditto	18	25
1	Hickman and Co	Stonefield	Bilston	10=	28
ŀ	Davis and Bloomer	Peisail Works		12	-
ľ	Ditto	Gold's Hill	Tipton	11=	23
ı	Ditto	Walsall Works	Walsall	12 -	
ı	Ditto	Walsall Works	Ditto	8 20:ss	-
Į,	Ditto	Greet's Green	West Bromwich. Dariaston	15	30
l	David Jones	Bilston Brook	Bilston	8=	23
I	Plant and Pisher	Bilston Brook	Tipton	100	20
ı	Plant and Fisher	Roway Works	West Bromwich.		23
	S. Mills	The Green Iron-Works	Darlaston		22
1	Lee and Bolton	The Hyde Works	Stour bridge		21 20
1	S. Groucutt and Sons Fletcher, Rose, and Co	Bankfield Works	Moxley		21
1	Daniel Rose	Bull's Bridge	Ditto		10
1	Wm. Rose	Bull's Bridge Batman's Hill	Bilston		12
ı	Wright and North	Monmore Green		11	-
I	Ditto	Cleveland Works	Ditto	9=	20
1	Isaac Jenks	Minerva Works	Ditto		13
ı	Hail, Holeroft, and Pearson Budd and Co	The Level	Brierley Hill	9	17
I	Ditto	Brockmoor Works	Tipton	6=	15
ĺ	Silvester and Co	Spon Lane	West Bromwich.	100	12
1	Bessley and Farmer	District Forge	Smothwick		20
1	Millington and Co	Summer Hill Dadley Port Works	Tipton		15
ı	F. Glies and Co	Dudley Port Works	Ditto	7 1	14
I	Budger and Co Evers and Sons	Ditto	Ditto		14
۱	M. Hingley and Sons	Netherton Works	Dunley		15
1	John Wheeley and Co.	Brettel Lane	Stourbridge		16
ı	John Wheeley and Co Corkley Iron Company Lloyds, Foster, and Co	CorkleyOld Park	Kidderminster		12
۱	Lloyds, Foster, and Co	Old Park	Wednesbury	12	
æ	Ditto	King's Hill	Ditto	620	18
۱	Decker on I Dodd				11
١	Deaken and Dodd	Monmer Lane Iron-Wks.	Willenhall	100	
1	Deaken and Dodd	Toll End Works	West Bromwish.	7	14
-	Deaken and Dodd	Toll End Works	West Bromwich.	y and	14

		1700.
Proprietors.	Name of Works.	Neighbourhood.
John Stones and Son	The Grove	Smethwish
Granger and Powers		Ditto
Keep and Watkin	Swin Works	
Geo. Thompson and Co	Crook Hay Works	West Bromwim
Gilpin and Sons	Wedge's Milis	
J. Marshall	Monway Works	
Johnson and Co	Church Lane	
Bissell, Kay, and Bissell	Hill Top	Ditto
Hipkins and Co	Great Bridge	Ditto
J. Gregory	Spon Lane	
Hartland and Co	Smethwick	Ditto
Wm. Marshall	****** *****************************	
J. Hodgetta		Ditto
Wm. Morris	******	
J. Haines and Co	Sheep Wash	Ditto
Hunt and Sons		
E. B. Whitehead		Tipton
Wm. Baldwin and Co	Bovereux Works	DIASTRIC
Wm. Banks	Ettingshall Works	Ditto .
Thompson and Burford	Bradley Hall Works	Ditto
Hampton and Brereton	Pot House Bridge Works	
Baldwin and Co	Horseley Fields Works	
Whittington Company	Whittington Works	
Banks and Morgan	Broadwaters	
Baldwin Brothers	Wildon Works	Ditto
Crown Forge	***************************************	Smothwick
(Poto)		Peters

REPORT FROM YORKSHIRE, DERBYSHIRE, AND LANCASE [FROM OUR CORRES

Oct. 1.—The preliminary meeting of the ironmasters at Wolve ton, on Wednesday, has created but little interest in these coun the fact that no disposition was evinced by the trade to alter the

ton, on Wednesday, has created but little interest in these couning the fact that no disposition was evinced by the trade to alter the rates for iron for the next quarter. The orders for general descriptation are numerous, and prices are maintained with a degree of region which speaks well for the future position of the trade.

The Coal Trade continues to improve, and we hear of further that it is a care to the works, and the sale of ore was mand for the winter has also improved.

The accident which happened at the Eyam Mine by the breaking rope caused an impediment to the works, and the sale of ore was large as it otherwise would have been. The company have received smelt their own ore. We learn that the smelters offered lower turn the company resolved not to accept the reduction, and they at each mined to smelt their own ore.

The North Derbyshire (Wren Park) Mine has very much improved the prospects of the works are very encouraging indeed. There is thing but bustle and activity about them. We visited the mineweek, and found everything in business order. Several sheds are built for the purposes of the mine. A dressing-machine has been and some very fine ore was being crushed and dressed ready for all saw several specimens of ore of a highly promising character, as a man of ordinary strength could lift.

The Mill Dam Mining Company have some good prospects being a man is regarded as the best trial in Derbyshire. On Mondays ing the company took the Smithy Coe Mine, which adjoins the Mills and this additional ground will afford ample scope for the opening the company. The valuation of the machinery of the mine will thin next week, and we hope in our next to have to report the amount of the same is regarded as the best trial in Derbyshire have imposed a call will be made immediately. Nothing has yet been paid on the accept the deposit of 2s. 6d., and as the works are intended to be produced to the produced of the company. The shares in this undertaking are at a good premium. There has been a better feeling perva

STOCK, MINING, AND RAILWAY SHARES IN IRELAN [FROM OUR CORRESPONDENT IN DUBLIN.]

Ocr. 1.—Within the last week prices of stocks here have same ried, but business—especially share business—was rather dull. hi shares were somewhat firmer, but these of the principal railwy

ried, but business—especially share business—was rather dull. It shares were somewhat firmer, but those of the principal railwyl dropped, and were quoted lower than for some time previously, will exception of the Great Southern and Western, the Iriah South-Ea and the Killarney Junction. The traffic receipts on all the Iriahn's show a good increase over those of the corresponding period last. The following are the latest quotations: Consols, 89½; Royalh ex div., 22; City of Dublin Steam, 75½; Mining Company of lea 16; Cork and Bandon Railway, 8½; Cork and Pasage, 11½; Midland Great Western, 97½; Dundalk and Ennishilla div., 13; Midland Great Western, ex div., 48.

I understand it is intended to form a joint-stock company to well milltown Zinc and Silver-Lead Mine, situate near Tulla, in the court Clare, and I have seen a private statement, intended as a kind of prelim prospectus, exhibiting the objects of the company, and the reasons tinduce the promoters to form a joint-stock company to work it. In jects are plain—the reasons conclusive; and although it is likely the shares will be privately subscribed for, I will offer no apoleg bringing under public notice what may turn out for the public but This mine, at present in the hands of au English gentleman, was public in the religible of the shares will be privately subscribed for, I will offer no apoleg bringing under public notice what may turn out for the public but This mine, at present in the hands of au English gentleman, was public in the injury of the promoters one, the mine yielding a fair profit on the outlay. The promoters perfectly confident of success, judging from the present working, the pearances, and the locality. The situation is, indeed, most favor being in the neighbourhood of the celebrated Ballyhickey and Killed Mines, which proved so remunerative, and, like them, the present was sold in June last to Messrs, Sims, Willyams, and Co., of Swasa 191. 10s., and the blende at 31. 10s.; and although the present was another the neighbourhood. On this

mand exists in the neighbourhood. On this subject Captain King, de Shallee Mines, reports:

"I, therefore, advise that you immediately build a larger sized lime-kill, the tematically through the barrow, collect your beende, burn your lime, for this abundant market is to be found in the immediate locality, and I have not the doubt in the works. The lime will leave you a profit of 25 per cent., and you have the biende for the dressing; and I may remark that you have a sufficient tity of stuff at surface to continue burning at the rate of 800 barreis per more four years. From the position of the burrow it is impossible for me to form as estimate of the quantity of biende it will produce, but taking a probable view case, I do not think I could be accused of exaggeration fit were put down at for the same period.

There is a beautiful stream of water about a quark mile from the mine, which can at any time be made available for turning a vie crane and dress the ore."

It is considered that the total sum that will be required to purcha-mine and work it to a dividend state will be about 4000%, and it is into

mine and work it to a dividend state will be about 4000%, and it is may to call this amount up the first year. Judging from its antecedent from what I can hear of this mine, this speculation, which the preconsiders should be regarded more as a matter of certainty, will so be eminently successful. A very neatly-executed map, showing the ings and run of the lodes, is annexed to the prospectus.

The Alliance and Consumers' Gas Company have just declared significant of the company as short time since they reduced the prist the gas 10d, per 1000 cubic feet, it is more than 7t. per cent. per use the gas 10d, per 1000 cubic feet, it is more than 7t. per cent. per use The works of the company are stated to be in the highest state of ciency, and unsurpassed by any gasworks in the kingdom, and the fits on working show an increase of nearly 1600t, over the same per constant.

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ANCASI at Wolverla e counties alter the particular and descriptors ree of region

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a sati

s, which is stated to be attributable as well to the increased content of gas as to the lower price of coals. Special allusion is made directors report to the great value of the long clay retorts, a range have new being set up, and from which the directors expect that besefit will arise.

It frish South-Eastern Railway Company's meeting a dividend of per share, or over 3½ per cent., was delared. This company is by the Great Southern Company. A portion of the Wrexford and istown Railway, it is expected, will be opened next spring.

The good about 45 tons of silver-lead and copper from the Shallee is now on the way for market, and though a considerable quantity resent at surface, it has lately been found impossible to get water as the ore and fit if for the market, in consequence of the long-contry weather. The sulphur ore, of which it appears there is an ant supply, will soon, I hope, become a source of profit. I understand everal parties are looking after it.

INDUSTRIAL PROGRESS ON THE CONTINENT.

[FROM OUR PARIS CORRESPONDENT.]

1.-The improved tone anticipated in our last for the money and rkets here has taken place, and what is more satisfactory, it promarkets here has taken place, and what is more satisfactory, it proseconstantly and regularly; indeed, with so much persistence as to an the belief that the worst is past. Every week now will contribe restore vigour, activity, and firmness to our transactions. The sail from New York shows that the crisis is past there, and that contein the present of the present is past there, and that contein the present is past there, and that contein the present in the course of the present financial improvement. The vintage, equally abundant, the bast quality—for the present is a comet year—is in the course of coted under the most favourable conditions. So abundant is fine, that the supply of casks for storage is, in many districts, in the inferior produce of previous years is spilled to preter the present year's wine. The benefits that will result from the trintage will be readily understood, when it is remembered that is marticle of first necessity to all classes of the population here, at it is the chief source of income to a large section of the agriculintered. The influence of these considerations has been felt, and at extent will be judged from the fact, that in the last week Three per have gone up from 67 to 68-10 frs.; Bank Shares, from 2800 to frs.; and Credit Mobilier, from 840 to 912-50 frs.; Northerns, 570 to 897-50 frs.; Easterns, from 670 to 1392-50 frs.; Northerns, 570 to 897-50 frs.; Easterns, from 670 to 640 frs.; Westerns, from 570 to 897-50 frs.; Sutherns, from 630 to 640 frs.; Westerns, from 570 to 897-50 frs.; and other shares in proportion. From these few is the reader will be able to judge for himself, better than by any saertions, how general and how substantial is the improvement. The Iron market, a like improvement has taken place, although not a same proportions. Refinency pig-iron is the only exception, and tile remains as flat and unsaleable as it has done during the last two is. The quotations are from 150 to 155 frs.; would-be customers the lower sum, which manufacturers will not accept; they constantly and regularly; indeed, with so much persistence as to at the belief that the worst is past. Every week now will contri-

e exportations of objects likely to interest your readers during the period have been —

Name.
Machinery, value
Silver
Gold
Porcelain.
Glas

PORT FROM MONMOUTHSHIRE AND SOUTH WALES.

[FROM OUR CORRESPONDENT IN SOUTH WALES.]

T. 1.—The state of the Iron and Coal Trades here affords little occas for remark. Affairs have not changed materially from the position dicated last week. For pig-iron the demand appears to improve tly, while in that for bars no diminution has taken place. The coal

dicated last week. For pig-iron the demand appears to improve the coal tis steady, and prices rule firm. The principal orders are received home, there being less enquiry from foreign parts.

Important meeting has been held at Merthyr, for the purpose of inting a Society of Agents for improving themselves for their respective sies. I shall keep you informed on the progress made by the institution in the institution of the progress and by the institution in the institution of the institution in the institution of the insti

one. This singular collection of accidents looks as if "pay" week not gone far by.

To accidents, attended with loss of life in each case, have also taken at Dowlais. In one a man was killed at the Pen-y-daren Collieries fall of roof, and in the other, at No. 3 Plymouth pit, a lad was killed

by a similar occurrence. The juries returned verdicts of accidental death

by a similar occurrence. The juries relation was brought to the hammer on Thursday, at the Westgate Hotel, Newport, by Mr. Henry Bruton, of Gloucester. The estate is situate in Gelligare, consists of farm-house and land, with extensive and valuable coal fields under. The property is situate in the Rhymney Valley, and is not far from the Rhymney Iron-Works. There were very few gentlemen at the sale, and after some little time the estate was bought by Mr. F. Talbot, Newbury, Berkshire, on behalf of the mortgagee, for 11,000%. The property will now belong to the mortgagee.

CHEMICAL GLEANINGS .- No. V. BY BICHARD V. TUSON, F.C.S., F.S.A.

CHEMICAL GLEANINGS.—No. V.

BY BIGBARD V. TUROS, R.C.S., F.S.A.

ON SILICIUM AND THE METALLIC SILICIDES.—MM. Deville and Caron, in a paper on this subject, state that the property of dissolving in each other and forming certain combinations called alloys, is a character common to all the metals. Alloys are regarded as solutions of one metal in another, and may be compared with aqueous solutions from which the pure substance or its hydrate can be separated by change of temperature or evaporation. The same is true of some metalloids—carbon, boron, and silicium, which, in this respect, comport themselves like metals, and may all be obtained in this way from true alloys. The authors recommend zinc as the best solvent for silicium, and say that it may very easily be prepared, and in considerable quantity, by the following process:—A mixture of 3 parts of fluosilicate of potash, I part of sodium cut into small fragments, and I part of granulated zinc, is introduced into an earthern crucible, previously heated to redness, which temperature is to be maintained until the scoria is completely fused. Care must also be taken that the temperature does not rise sufficiently high to volatilise the zinc. When the fusion is complete the crucible is allowed to cool slowly, and then broken; the ingot which it contains will be found penetrated throughout with long needles of silicium. To extract it the zinc is dissolved in hydrochloric acid, and the remaining crystals of silicium rendered quite clean by being boiled in nitric acid. If the temperature employed be sufficiently intense to drive off the zinc, the silicium forms some alloys with copper which appear to possess valuable properties. One containing 4 8 per cent. of silicium has a fine bright bronze colour, is nearly as hard as iron, and works freely without clogging the tools. The alloys containing more silicium than the above are much harder, but are less ductilo. Granding of Colours.—Professor Vogel recommends spirits of wine having a low specific gravity, a finely divid

Spirits of wine having a low specific gravity, a finely divided powder is much sooner produced than when water is employed, and the necessity of drying the ground pigment, before mixing it with varnish or turpentine, is obviated. The author likewise observes that spirits of wine may be frequently advantageously used in grinding minerals and similar bodies for chemical purposes.

METHOD OF CLEANING SILVER VESSELS .- Prof. Bottger states that silver vessels may be readily cleansed by immersing them in a saturated solution of borax, or else in a tolerably strong solution of caustic potash, in contact with metallic zinc. A zinc sieve may be used.

SIMPLE ELECTRICAL MACHINE.—A simple, cheap, and effective electrical machine, according to M. Thore, may be made by joining the ends of strips of paper about eight inches wide, so as to make an endless band, and stretching it on two wooden pulleys covered with silk, one of which is rapidly turned by a handle. M. Thore states that electricity was developed by pressing a warm flat-iron upon the paper as it passed over one of the pulleys, and that the effect so produced was remarkable. It is also asserted that a machine so constructed may be worked under etmospheric conditions which would arrest the action of those ordinarily in use.

WEEKLY LIST OF NEW PATENTS.

WEERLY LIST OF NEW PATENTS.

GRANTS OF PROVISIONAL PROTECTION FOR SIX MONTHS.—J. M. PROST, Officer in the Imperial Navy: Steam generators.—G. J. Mackelon, Falcon-street, Falcon-aquare: Floating docks.—W. Grach, Palmouth; Propelling vessel s.—S. Hoda, Charlette-street, Middleser, Generating electricity, and for transmitting electic currents from place to place.—A. Hediard, S. Leveux, Paris: Boiler for generating steam.—E. Levender, Historian, S. Leveux, Paris: Boiler for generating steam.—E. Levender, Historian, S. Leveux, Paris: Distilling products from coal.—M. Miller, F. Canal, Paris: Producing gus.—J. Fenton, Low Moor, W. Trousson, Wakefield, T. Skowdon, Middlesbro'-on-Teas: Permanent way of railways.—G. Bruningham, Dortmund, Prussia: Treatment of iron ore (crude iron) for the production of iron and steel.—J. Euwards, Aldermanbury: Improvements in railways to facilitate locomotive engines ascending inclines.—W. Jenkins, Miles Platting Manchaster: Purnaces or fire-boxes for locomotive boilers is adopt them to the consumption of coal and the smoke arising therefrom.—A. Grax, Glasgow: Lubricating mechanism.—T. Grankam, Leamington: Grinding corn, and in generating gas on inland waters.—R. Bacows, Glasgow: Moulding or shaping metals, and other mactrials.—P. A. FONTAINE-NOREV, London: Hallway break.—J. Luxdeks, Birmingham: Motive-power engine.—H. Bessense, Queen-street-place, London: Manufacture of cast-steel.

DRESSING OF ORES.—Mr. G. H. Thost, of Tyndrum, states that where mines in hilly countries are on high ground, and the dressing mill a considerable distance of, it is sometimes a question of economy to bring the ore to the mill in as concentrated a state as possible. Disregarding entirely the pleking stuff, the smaller sizes, from a cubic inte downwards, are fit for jigging. This operation is usually performed by a large wooden lever, on which the sieve is hanging, these being jerked by hand. One of the objections squainst it is, that the boys and girls move the lever up and down mechanically, without producing the laborious clastic stroke or jerk so necessary. In order to obviate this difficulty, be proposes the following simple machinery:—A fly-wheel of such weight and dimensions as in other instances is applied to hand movement: this is acated on by another wheel with three teeth on the arm of the sieve, and jigs in the same manner as that practised by hand. He has practically tried this plan, and finds it easier than any other method; not only is less force required, but the jerk is attained. Some care must be taken to observe that the steff is of a sufficient specific gravity to plunge with velocity into the water, and to produce by the arresting teeth of the wheel and the check that jerk which is so essential.

SEPARATING TIN PROM TINNED IRON.—Mr. Alox. Parkos, Birmingham, in order to offect this, treats it with strong sulphurie acid, preferring to use it in a concentrated state, as the stronger the acid the less action on the iron, and the tin will be more readily separated. Heat facilitates the operation. When the tin is separated he takes out the iron and puts in more scrap, until the acid will no longer act on the tin. To obtain the tin from the scid he employs any known method.

METALLIC PACKING BOXES,—Messrs. J. and G. Mead, Bethnal-green,

parated he takes out the iron and puts in more scrap, until the acid will no longer act on the tin. To obtain the tin from the soid he employs any known method.

METALLIC PACKING BOXES.—Messrs. J. and G. Mead, Bethnal-green, propose to manufacture boxes or cases for packing bullion and other valuables, of sheet iron or other suitable metal. This sheet metal is cut to the required size and folded in one piece, to form the body of the box or case, and the metal is then secured down on one side with a lap joint or rivets; within one or both ends is a metal rim or ring to strengthen the same, and the edges of the metal may be turned outwards, so as to permit the head piece to side over it by having its edges lapped to correspond thereto, or the heads may have their edges turned upwards, and be inserted in the body to lap inwards. The lap edges may then be hammered down close, and cannot afterwards be odened without detection, it being requisite to force or cut the metal. One or more metal hoops or bands may be passed over the outside of boxes, so constructed, for their further security.

SLIDE-VALVES.—In our last Journal we published a short notice of an improved slide-valve, invented by Mr. Geo. Gimson, of Staley-bridge, Lancashire, and now purpose giving a more detailed description. Instead of the valve sliding in the ordinary manner, it is constructed in the form of a segment of a circle, and the steam ports are extended so as to correspond thorewith. The valve is fixed upon an size, and a rocking motion is imparted thereto by a lever, connected with the beam in the ordinary manner. The valve is kept home by a spring placed behind it, sufficiently strong to effect that object vilout causing unnecessary friction against the scating. The action of the steam is also made to assist in diminishing friction. The inventor has had a valve at work for some months, and finds it fully able to accomplish the object claimed.

MORRIE'S RAIL JOINT.—Mr. James Morris has just specified his patent

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MORRIS'S RAIL JOINT.—Mr. James Morris has just specified his patent (procured by Mr. Campin, patent agent) for certain improvements in connecting the rails of railways, which he thus describes:—The nature of the said invention consists in providing in the sides or channels, at each end of each rail, or length of rail in a line of rails, a hole or orifice, into which a piece of iron, or other suitable metal, is driven or inserted, which then projects on each side of the rail, and has the ends thereof slotted or bifurcated, or it may simply have an orifice at each end. And when two lengths, each constructed as aforesaid, are brought end to end together to-form a line of rails, two screw boils or bars are placed, one on each side of the rail, in the recessor or slots (or in the substituted orifices) of the two projecting pieces aforesaid, hereafter termed "bearing" pieces, one on each end of each rail or length of rail—that is, longitudinally on each side of the rail in the channels thereof, such screw boilts, boils, or bars, having each an enlarged part in the middle, and a right-handed thread at one end, and a left-handed thread at the other, on which corresponding ecrew nuts are placed. Or it may be of any of the other constructions hereafter described, and accuracly sorew nuts or otherwise, as hereafter described. For better securing the ends of each rail, or length of a line of rails, such rail or length may have a curvated or either suitably changed notch or estimate therein, which, when two ends are brought to gether, form one complete orifles, into which a corresponding pin is to be inserted, be secure the ends of the rails from moving up and down. The invention is put it operation in the following manner:—Through the rail at the channel, or web, and offices, and projects on each side of the rail, it, it ends being constructed with deep

whole will be so tightly drawn together as to form a secure joint for the rail. When I use a single screw bolt, I have two orifices, instead of the two mideles, through the two ends of each bearing piece, and through these the screw bolt is passed, the head having against it a collar, and the lower screwed extremity passing through the bearing piece, and fastewed by the screw nut. It is fastened or released by tarning the top or head of the bolt. I consider it desirable that India-rubber washers should be inserted between the ends of each rail or length of rail, at the junction, as also between the screw nuts and collars and projecting bearings, to provide for the capansion and contraction of the metal. There is a curvated notch at the end of the rail from moving up and down. Instead of the foregoing arrangements, I can use bearing pieces with notches or perforations at the ends, in which I insert a plain bolt or bar, secured by cotters or screws, or otherwise. In faing these fastenings, they are to be supported by an ordinary or any other description of railway chair or sleeper, at each end of them.

TREATMENT OF AUGIFFEROUS SAND —Mr. Goulding is now carrying on

end of them.

Theatment of Auritemous Sand, —Mr. Goulding is now carrying on a series of experiments at the works of Messrs. Leigh and Redpath, Limehouse. The new amalgamator that he employs is a cylinder of about 6 feet in length by 2 feet in diameter. In the inside of this there are a number of revolving fans. A force of water is allowed to pass through the mercury, which is in a shamber attached to the cylinder, which then mixes with the charge. This is agitated; and, after some period, by this process the tailings are found perfectly clean. Mr. Goulding states that by his invention not only is all the gold saved, but that, likewise, no mercury will be lost—this fact being a great advantage, a not inconsiderable loss having accrued in all the amalgamating processes yet known. So soon as the experiments are terminated we shall give the results.

Sepanation of Linon from Manganese.—Mr. F. Field, writing from

all the amalgamating processes yet known. So soon as the experiments are terminated we shall give the results.

SEPARATION OF IRON FROM MANGANESE.—Mr. F. Field, writing from Chill, gives a convenient process for the separation of these metals. It consists in boiling the acid resolution with litharge for a few minutes, till all the iron is thrown down, and the liquid becomes colouriess. The lead must, however, be separated from the manganese; this may be effected by adding a slight excess of sulphate of soda to the liquid before filtration, and a small quantity of sulphuretted hydrogen to the filtrate. His experiments fully prove the accuracy of the process.

DRILLING AND BORING MACKINES.—Mr. A. P. How, Mark-lane, City, proposes to construct drilling and boring machinery (commonly called ratchet drills) in such manner that the teeth in the ratchet wheel may be acted on alternately by two pauls, which take into the same side of the centre of the ratchet wheel, whereby a continence rotary motion is imparted to the ratchet wheel and drill stock, in which the pauls are jointed. The stock is formed or furnished with handles to work it by, it is jointed on a pin between the forked end of the main stock in which the ratchet wheel is inserted, this end being prolonged for that purpose; the other end of the main stock forms a handle for holding the machine while at work. The pauls are jointed in the stock, one on each side of the forks, but their free ends are brought to bear or take into the ratchet on the same side as the centre; springs are provided for pressing them into the teeth. If necessary, either of the vibrating stock handles may be removed while it is worked by one person.

RALLWAY CHAIRS.—Mr. S. W. Hawks, of the Gateshead Ironworks,

Ing them into the teeth. If necessary, either of the vibrating stock handles may be removed while it is worked by one person.

Railway Chairs.—Mr. S. W. Hawks, of the Gateshead Ironworks, proposes to form the chair in two separate side pieces, rolled, forged, or cast to what ever section the shape of the rail may require, one piece fitting on each side of the rail, and a bolt or boits being passed through suitable holes in the rail and the two side pieces respectively, so as to connect the three thicknesses of metal firmly together. These side pieces are also formed with a foot, or lateral extension, so as to rest on a bottom plate, to which they are firmly secured by a bolt or bolts passed through each such foot, or lateral extension, and the bottom plate into the sleeper or foundation. The bottom plate is rolled with clips or jaws on the outer edge, to confine the chair or combined pieces laterally. The bottom of the rail may rest on the central part of the bottom plate. The side pieces intended to form the chairs may be rolled, forged, or cast of the required form in the cross section; and cut or sawn into suitable lengths, and punched to receive the bolts. At the junction of two ends of the rails by two or more bolts passed through each of such ends, the chair, or combined side pieces, with the bottom plate being bolted down to the sleeper or foundation in the same manner as in the case of the intermediate chair. By this mode of fixing the rails in the chairs, the necessity for the use of "fish pieces" is obviated, as the chair itself splices the rails.

MOTIVE-POWER.—Messrs, C. A. Bourdier and V. Masselon, Trafalgar-

MOTIVE-POWER.-Messrs. C. A. Bourdier and V. Masselon, Trafalgar-

as the chair itself spliesers, the necessity for the use of "han pieces" is obviated, as the chair itself splies the rails.

Motive-Power, —Messrs. C. A. Bourdier and V. Masselon, Trafagarsquare, Charing Cross, propose to obtain motive-power through the agency of water, in combination with a wheel, the spokes or arms whereof are hollow, as also certain parts of the nave of said wheel, which is mounted upon a stud or pin fixed in an upright support, to which is also affixed a dies of metal, the face whereof is ground and fitted close to that face or side of the nave of the wheel with which it is in contact; the aforesaid fixed face has one hole or opening formed therein, to which is attached a pipe connected with a reservoir of water. And the aforesaid face of the nave of the wheel has as many holes or openings formed therein as there are spokes in the wheel, the said holes being made opposite to the said spokes. The outer ends of each of the aforesaid spokes are open, and have a cup-shaped piece of metal sfixed thereto, into which the water passes from the reservoir, and thus imparts motion to the wheel, and so on, as each of the openings in the nave are brought opposite to the opening in the before-mentioned fixed disc. This invention consists, secondly, in applying the above mode of obtaining motive-power to the construction of water meters for measuring and indicating the quantity of water supplied for domestic and other uses, said mechanism being connected with an ordinary clockwork movement for registering and indicating the quantity of water supplied for domestic and other uses, said mechanism being connected with an ordinary clockwork movement for registering and indicating the quantity of water supplied for domestic and other uses, said mechanism being connected with an ordinary clockwork movement for registering and indicating the quantity of water supplied for domestic and other uses, said indicating the quantity of water supplied to several of H. M.'s ships. The company's process is now in whole

DARTNER WANTED, in an ENGINEERING ESTABLISH-MENT in GLASGOW. The capital required is about £3000, though a larger sum might be employed to advantage. The income to be derived is handsome, and, as the business is an old one and thoroughly established, this is an opportunity which is rarely to be met with.—For lurther particulars, apply to WALTER MACKENZY, accountant, St. Vincent-street, Glasgow.

ANTED.—A YOUNG MAN, a thorough practical assayer, and who has both a theoretical and practical knowledge of metallurgical chemistry, is desirous of an ENGAGEMENT as an ASSAYER, where he would be albowed also to assay on his own private account, in consideration of which a moderate salary would be accepted, or some arrangement might be made to mutual advantage.—Address, "Y. M.," Post-office, Birmingham.

TO CAPITALISTS.—An extensive and very valuable IRON MINE in Dean Forest TO BE SOLD,—Apply to "A.Z.," Post-office, Coleford. Pay-iculars will be sent to real name and address.

BED HEMATITE IRON ORE.—WANTED TO LEASE, a RED HEMATITE IRON ORE MINE. As the party intends working the property vigorously, the terms must be reasonable.—Apply, by letter, to "A. G.," Mr. Chase. Everett, news agent, 75, Old Broad-street, City.

LATE QUARRY.—An excellent SLATE QUARRY, of the best quality of slate, in Carnarvonshire, North Waies, in a very convenient spot, is to BE DISPOSED OF. Samples may be sent.—For further patticulars, apply to Mr. PRICE WATKINS, Post-office, Bethesda, near Bangor, Carnarvonshire, N. W. quality of slate, in Carnarvonahire, North Waies, in a very convenient spot, is BE DISPOSED OF. Samples may be sent.—For further particulars, apply to PRICE WAIKINS, Post-office, Bethesda, near Bangor, Carnarvonahire, N. W.

CATHERINE AND JANE CONSOLS MINE,—Notice is hereby given, that the BUSINESS of this MINE is NOW CONDUCTED at Mr., DUNSFORD'S OFFICES, 57, THREADNEEDLE STREET, LONDON, E.C.

NGLO-AUSTRALIAN GOLD MINING COMPANY The ADVERTISER is open to PURCHASE the SHARES of this cores, "A. B.," 17, Doughty-street, Mecklenburg-square.

TEAM-ENGINES AND MACHINERY of every description
PLANNED and NEGOCIATED FOR by Mr. JAMES BURNETT, who, having
retired from the business of manufacturing engineer, carried on by him for 15 years,
now ACTS as CONSULTING ENGINEER and AGENT in all matters requiring
practical knowledge. A Register of Steam Plant and Machinery, wanted and for
sale, may be referred to at his offices, 18, Cannon-street, City, E.C.

ONDIE'S PATENT STEAM HAMMERS.—
FIRST-CLASS STEAM HAMMERS, from 10 cwts. to 7 tons, suitable for jobbing forges, puddling forges, engineers, ship-builders, wagon builders, smiths, &c.,
made under the subscriber's personal superintendence.

JOHN CONDIE.

Govan Bar Ironworks, Glasgow.

TO COLLIERY OWNERS.—SAFETY with ECONOMY in dsing MOZARD'S PATENT IMPROVED SAFETY MINING LAMPS, which give a brilliant light and prevent explosion, as the lamp cannot be opened without extinguishing the light; and for twelve hours' burning the cost does not exceed 1d.—Manufactured by H. Modoximson, 31, Berwick-extreet, Soho, London.

Agents wanted for various districts.

EAD FOR EXPORTATION.—PIG-LEAD (hard and soft)
SOLD at LOW BATES. The BEST PRICE given for LEAD ASHES, &c.,
and OLD LEAD.—ROUPELL and Co., Southwark Lead Works, Gravel-lane, London.

ORE SHILLING PER MENING COMPANY.—Notice is Thereby given, that, by order of the Compittee of Management, a CALL of ONE SHILLING per share, on the NEW SHAR who of this company, is NOW MADE, payable at the office, 37. Austinfriars, on Saturdar, the 24th of October next.

London, 3ept. 23, 1857.

By order,

WILLIAM CHARLES, See

WHEAL UNY.—Notice is hereby given, that the NEXT QUAR-street, London, on Taesday, the 13th day of October inst. The chair will be taken at One o'clock precisely.

69, Lombard-street, Oct. 2, 1857.

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costs in the means of re-quire. You J. Lee

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OFFICE,-6, QUEEN STREET PLACE, UPPER THAMES STREET, LONDON.

DECERTARY—Mr. W. Vernou Versions.

OFFICE,—6, QUEEN STREET FLACE, UTPER THAMES STREET, LONDON. This company is formed under the Joint-Stock Companies Act, 1856, with limited liability, for the purpose of working the Lackamere Copper Mine in Ircland. The mine, leases, buildings, machinery, materials, and ores brokes, with everything in and upon the premises, were sold under an order of the Court of Chancery on the 2d April last, and were purchased by Messre. John Taylor and Sons for £886. The lease has upwards of 13 years to rus, subject to the moderate royalty of 1.30th of the value of the ores sold.

The mine is well situated. It is in the county of Tipperary, about 15 miles from the Fort of Limerick, and four mines from the town of Newport, to both of which places there is an excellent road. The mine has been worked to a depth of 30 fms. below the adult level, and yielded coesiderable quantities of rich copper ore, the sales at Swanses from 1837 to 1830 showing that 3780 tons were sold for £32,400, and that the average produce was 10% per cent. of fine copper. A fine stream of water runs through the mine, and a powerful water-wheel has recently been erected, for the purpose of draining the deepest workings. There is a good shaft, with a capstan, shears, and suitable pump work; also, an office and workshops, and houses for the agents. Operations having been resumed, sales of copper ore may be commenced at an early date, and sanguine expectations are entertained that the mine will soon leave a profit over the working expenses.

The liability of the shareholders is limited to the amount of £2 per share; the enpital remaining, after paying 5990 for the isase and plant, being deemed sufficient for carrying out the objects of the company.

Applications for the remaining shares to be made on or before the 15th day of Oct. inst., to Messra, John Taylon and Sons, No. 6, Queen-street-place, Upper Thamestreet, London, E.C.

INERALOGY.—KING'S COLLEGE, LONDON.—
Paor. TENNANT, F.G.S., will COMMENCE a COURSE OF LECTURES ON MINERALOGY, with a view to facilitate the study of Geology, and of the Application of Mineral Substances in the Arts. The lectures will be illustrated by an extensive collection of uwards of 3000 specimens, and will begin on Friday morning, 9th October, at Nine o'clock. They will be continued on each succeeding Wednesday and Friday at the same hour. Fee, £2 2s.

R. W. JELF, D.D., Principal of the Course of

OUTH WALES.—Mr. ARTHUR O. DAVIES, of Dowlais, is authorised to TREAT for the SALE of TWO VERY VALUABLE GOING COLLIERIES in South Wales.

Also, TO LET, an EXTENSIVE TRACT of STEAM COAL, on a long lease, at a moderate royalty, with a railway running through the property.

For terms, apply as above.

ALUABLE ANTHRACITE COAL.—TO BE LET, under the farms called Liadrog Mawr. Liadrog Faeb, Ty Canol, Branwithaw, Ceidrim, ad Wern, the following valuable SEAMS OF COAL, or some of them may be worked nder these properties:—The Wain Fynnon, the Drap, Graigog, Green, Big Seam, ard, and Two Feet Seam, varying from 2 to 9 ft. thick. The situation of these farms rith reference to the Gwendraeth Canal and the South Wales Railway, afford an easy ommunication to the ports of Fembrey and Kidwelly, as well as to the interior of ragisaid.—For further particulars, apply to Mesers. White, BROUNTON, and White, Great Marlborough-street, W., London; Mr. George Goods, Carmarhen; Mr. W. P. Struve, C.E., Swansea.

INERAL DISCOVERY, AND TO LET.—This month a LARGE MASS of DECAYED SPATHOSE ORE has been FOUND, close on the shore, easily wrought and shipped. The deposit is very large,—100 to 130 ft. wide,—and axtends, as seen, near a mile inland. The slag of what has been smeited (supposed by the Romans or Danes) lies in large quantities contiguous. This deposit is distinct from the copper and other ores advertised in this Journal of 5th September, which are still to let.—Apply to the proprietor, W. Forlowe, of Erins, Loch Fyne, Argyleships,

DUTE MERTHYR STEAM COAL ASSOCIATION (LIMITED).

—The Directors have the satisfaction to announce that they have this day RECEIVED the OFFICIAL NOTIFICATION from the Department of the Store-keeper-General of the Navy, that the BUTE MERTHYE STEAM COAL has been ADDED to the LIST OF COALS included in the NAVAL CONTRACTS.

WILLIAM EMSON, Managing Director.

Offices, 4)6, Warnford-court, Oct. 1, 1837.

Offices, 4%, Warmord-court, Uct. 1, 1897.

CLARENDON CONSOLIDATED MINING COMPANY OF

JAMAICA (LIMITED).—Notice is hereby given, that the Directors of the
Clarendon Consolidated Mining Company of Jamaica (Limited) have this day made a
CALL of TWO SHILLINGS AND SIXPENCE per share on the shares of the company, payable on or before the 31st day of October next, at the bankers of the company, Messrs. Hey wood, Kennards, and Co., No. 4, Lombard-street, London, and the
shareholders are hereby required to pay the same accordingly.

By order of the Board, JOHN H. KOCH, See,
187, Gresham House, Old Broad-street, London, July 28, 1857.

THE LONDON AND VIRGINIA GOLD AND COPPER MINING COMPANY.—Notice is hereby given, that an EXTRAORDINARY GENERAL MEETING of the stockholders of this company will be HELD at the office of the company, 34, Lime-street, in the City of London, on Thursday, the 29th day of October next, at One o'clock in the afternoon precisely, to assent to the registration of the company as a company limited as to the liability of the shareholders to the amount of the unpaid calls on their shares, and to change the name of the company by adding thereto the word "Limited," and to pass all such other resolutions, and transact all such other business as shall be necessary to comply with the provisions of the Joint-Stock Companies Acts, 1856 and 1857, in respect of the registration of companies under these Acts, with limited liability.

By order of the Board of Directors,
JOHN ANDERSON, Sec.

T. IDEPTY MINING COMPANY OF VIDGINIA. As MERTING

IBERTY MINING COMPANY OF VIRGINIA.—At a MEETING

IBERTY MINING COMPANY OF VIRGINIA.—At a MEETING of this company, held at the London Tavern, Bishopsgate-street, on Tuesday, the 29th inst., the following resolutions were passed unanimously:—
1. That this meeting having heard the statement of Mr. Comquest, hereby authorises the directors to take such steps for providing £2000 for the purposes of the mine as they may deem requisite or expedient, and for that purpose to issue as many additional preference shares of £1 each, at 10s, per share, as may be subscribed for, or as they may be able to dispose of at that rate; and that in case of the sale of the mines and property of the company, in pursuance of any resolution of a special meeting of shareholders to that effect, the money subscribed for such preference shares, and for all preference shares already issued, shall be returnable out of the sum realized by the sale of the said mines and property, after all legal and equitable debts shall have been discharged.

sale or the said mines and property, after all regardance transports and discharged.

2. That all holders of the original scrip shares of the old company who have not yet sent them to the office to be exchanged for shares in the present company, at the rate of one share for every five serip shares, the holder taking at the rate of five per cent, thereon in preference shares, and who shall not do so within 21 days from this day, shall be deemed to have for feited the same.

3. That the thanks of this meeting be given to Mr. Conquest for his statement and explanations, and for his unremitting exertions to promote the best interests of the company.

By order of the Board,

H. H. ROOD, Sec.

Company's Offices, 62, Moorgate-street.

THE GREAT BARRIER LAND, HARBOUR, AND MINING COMPANY (LIMITED).—In 10,000 shares, of £5 each.

Deposit, 10s. per share at the time of application, and 20s. per share upon allotment. Prospectuses can be obtained at the offices, No. 117, Bishopsgate-street Within, London.

J. H. MURCHISON, Sec.

TREDINNICK'S LIST OF PRICES OF BRITISH MINES, RAILWAYS, BANKS, &c., published weekly, and forwarded by post at a charge of £1 is. annually. Fluctuations in market value faithfully recorded, with Comments on the progress of Dividend and sound Progressive Mines.

Gresham House, Old Broad-street, London.

NVESTMENT.—Messrs. FULLER and CO., 51, THREAD-NEEDLE STREET, LONDON, continue to TRANSACT BUSINESS in BANK-ING, MINING. RAILWAY, and OTHER SECURITIES, many of which will safely pay from 15 to 25 per cent. Those of a progressive character frequently rising above 100 per cent.

100 per cent.

WANTED.—Alfred Consols, Botallack, Dolcoath, Hingston Down, North Roskear, South Caradon, Wheal Margery, Edward, Ludeott, Tehidy.
Since calling public attention to twelve progressive mines, a rise has taken place of the following:—Craddock Moor, from 535 to £45, equal to £19,559; Caistock Consols, £3% to £4%, or £2045; East Russell, from 10s. to £2, or £6900; Wh. Edward, £4 to £5, being an increase in value of £16,000; Swanpool, £1 to £2½, or £2700: Total increase of value in three months of £37,295.

The following shares present equally as good prospects of success, and worth immediate attention:—

Boiling Well.

North Wheal Wrey.

Barf.

Every information given, either personally or by letter.

P.S. PLUMBAGO.—FOR SALE, 5 tons of FURE CUMBERLAND LEAD, samples of which may be seen at this office.

UNITED STATES OF AMERICA.—DUPEE, PERKINS, NATES STATES OF AMERICA.—DUPEE, PERKINS, and SAVLES, BOSTON. MASSACHUSETTS, BROKERS for he PURCHASE and SALE of STATE, CITY, and RAILROAD SECURITIES, MANUFACTURING and BANK SHARES, give particular attention to the MINING COMPANIES OF LAKE SUPERIOR, and furnish reliable information concerning them.

[Duper, Perkins, and Savine refer to the Editor of the Mining Journal.]

MECHANICAL DRAWINGS, FOR PATENTS AND OTHER PURFOSES.—BARLOW and CO. continue to PREPARE DRAWINGS of all tinds of MACHINEERY, for the SPECIFICATIONS of PATENTS and GENERAL USE. They also send a Circular of Information on Patents free by post on receipt of a stamped envelope. Cost of provisional protection for an invention, 23 18s. The Patent Journal, edited by them from 1346, in numbers and volumes.

BARLOW AND CO., Office for Patents, 59, Chancery-lane, W.C.

BARLOW AND CO., Office for Patents, 59, Connects of the Market parkets parkets

HIGGS V. GREGORY AND OTHERS.

IN RE NORTH LEVANT MINE.

NOTICE IS HEREBY GIVEN, that, pursuant to the several ORDERS, or DECREES, made in the above-mentioned Causes, and bearing date respectively the 5th day of August, 1857, a PUBLIC AUCTION will be HOLDEN at the Registrar's Office, Truro, on Wednesday, the 14th day of October next, at Twelve o'clock at noon, for SELING 375 (3000ths) PARTS, or SHARES, of the Defendants James Stansale Pott and James Campbell Rowley (as assignees of the estate and effects of Briton Richardson, a bankrupt; 20 (3000tbs) PARTS, or SHARES, of the Defendants Mary Jewson and John Joseph Edwards (as exocutrix and executor of the last will of John Jewson, decessed); and 10 (3000tbs) PARTS, or SHARES, of the Defendant W. C. Morgan, respectively, of and in the said GREAT DOWGAS UNITED MINES; and S (3000tbs) PARTS, or SHARES, of the Defendant M. Simons; and 10 (2000ths) PARTS, or SHARES, of the Defendant M. Simons; and 10 (2000ths) PARTS, or SHARES, of the Defendant M. Simons; and 10 (1000ths) PARTS, or SHARES, of the Defendant M. Simons; and 10 (2000ths) PARTS, or SHARES, of the Defendant M. Simons; and 10 (2000ths) PARTS, or SHARES, of the Defendant M. Simons; and 10 (2000ths) PARTS, or SHARES, of the Defendant M. Simons; and 10 (2000ths) PARTS, or SHARES, of the Defendant M. Simons; and 10 (2000ths) PARTS, or SHARES, of the Defendant M. Simons; and 10 (2000ths) PARTS, or SHARES, of the Defendant M. Simons; and 10 (2000ths) PARTS, or SHARES, of the Defendant M. Simons; and 10 (2000ths) PARTS, or SHARES, of the Defendant M. Simons; and 10 (2000ths) PARTS, or SHARES, of the Defendant M. Simons; and 10 (2000ths) PARTS, or SHARES, of the Defendant M. Simons; and 10 (2000ths) PARTS, or SHARES, of the Defendant M. Simons; and 10 (2000ths) PARTS, or SHARES, of the Defendant M. Simons; and 10 (2000ths) PARTS, or SHARES, of the Defendant M. Simons; and 10 (2000ths) PARTS, or SHARES, of the Defendant M. Simons; and 10 (2000ths) PARTS, or SHARES, of the Defendant M. Simons; and 10 (2000ths) PARTS, o

Dated Registrar's Office, Trure, Sept. 38, 1837.

HIGHLY IMPORTANT SALE OF NEW AND VALUABLE HORIZONTAL HIGH-PRESSURE STEAM-ENGINES.

AT MESSES, R. AND J. COUPE'S CLAYTON FOUNDRY, WIGAN.

M. R. JNO. LAMB has pleasure in announcing to miners, manufacturers, bleachers, contractors, and others, that he has received positive instructions from the proprietors to SELL, BY PUBLIC AUCTION, on Thursday, the 8th of October, at One o'clock prompt, at the above premises, the following truly valuable STEAM-ENGINES, vis.:—

ONE of 30-horse power, polished.

TWO of 12-horse power, black.

TWO of 12-horse power, black.

ONE of 23-horse power, black.

As these engines have been thrown on the makers' hands through the inability of one of their enstemers to meet his credit, they will be sold without the slightest reservation.—May be viewed any day previous to the sale.

TO IBONMASTERS, COAL MASTERS, CAPITALISTS, AND OTHERS.
VERY VALUABLE THICK COAL AND IRONSTONE MINES.
BRETTELL LANE, KINGSWINFORD,

VERY VALUABLE THICK COAL AND IRONSTONE MINES.

BRETTELL LANE, KINGSWINFORD.

MESSRS. OATES AND PERRENS have been honoured with instructions from Messrs, Wheeley to OFFER FOR SALE, BY AUCTION, on Monday, the 16th day of November, 1857, at Five o'clock in the afternoon, at the Taibot Hotel, Stoutpridge (unless an acceptable offer be previously made by private contrast, of which due notice will be given), in the following, or such other lots as shall be determined by the vendor, and subject to conditions then to be produced, the entirety of that exceedingly valuable and most desirable MINERAL ESTATE, called or known as the HAWBUSH ESTATE, situate at Brettell-lane, in the parish of Kingswinford, in the county of Stafford, and containing similar valuable MINES of THICK or TEN YARD COAL, BROOGH COAL, IRONSTONE, &cc., to those found in the adjoining collieries, headings from which have been driven under the estate to the extent of about 400 yards, as shown on the annexed plan; these faily prove the existence thereunder of the extremely valuable mineral strata of the surrounding highly prolific district, and may be made available for the future working of the mines. There is an excellent MINE of SURFACE CLAY on the property, and acapital MANAGER'S HOUSE and house adjoining, FARM-HOUSE and OUT. BUILDINGS, together with TWO COTTACES and GARDENS, and a considerable portion of the estate may, with advantage, be offered for building parpores; the whole contains by mensuration 34a. 1z. 35r.

Particulars and plans of which are herewith given, and may be had at the offices of the Middland Counties Heraid, Aris' Gazette and Journal office, London; at the place of sale; and the principal inns in the neighbourhood; at Messrs. Warker's offices, Brettell-lane Ironworks; or of the solicitor or auctioneers. Messrs. Warker's offices, Brettell-lane Ironworks; or of the solicitor or auctioneers. Warker's offices, Brettell-lane Ironworks; or of the solicitor or one to the offices aforeasid; and for further information, apply to Mr. Harwa

	Stourbridge. PARTICULARS.					•
No. on	plan, Description,	Cultivation.	q	nan	tity.	
1.	Barrow's close, and two houses and gardens	Pasture	24	. 2 n	. 341	ė.
2.	Yew-tree piece	Arable	3	3	9	
3.	Coekshutt	Arabie	1	3	20	
4.	Hanging piece	Arable	2	3	21	
5,	Tree piece	Arable	5	3	14	
6.	Rough in ditto	Wood	0	3	11	
7.	Withey bed	Oziers	0	3	5	
8.	Pool piece	Arable	1	3	28	
9.	Pools and rough in ditto	Wood, &n	0	3	31	
10.	Upper sling and road	Oziers	1	0	7	
11.	Lower house piece	Pasture	2	3	0	
12.	Square piece	Arable	3	1	27	
13.	Rough in ditto	Withers	0	0	18	
14.	Upper house piece	Pasture	3	1	36	
15.	Sling	Pasture	1	1		
16.	Barn, stables, cowhouses, piggeries, granary, a steam-engine, rick yard, and fold yard	*********	0	3	15	
17.	Road and well	*** ******	.0	0	9	
18.	Two bouses and gardens	**********	0	1	35	
19.	Hawbush house and garden	**********		0	34	
20.	Gardens	*********	0	0	24	
-	Half the adjoining turnpike road	***********	0	3	7	
			-			

the Bretiel-lane Station of the Oxford, Werester, and Wolverhampton Railway, and a less distance from the Stouthvidge Canal; in short, it affords to an enterprising speculator a ready and certain means of realising an ample fortune in a very limited period.

CAPITAL MACHINERY, STEAM-ENGINES, STEAM BOILERS, TOOLS, &c., WELL ADAPTED FOR RAILWAY ENGINEERS.

MESSRS, T. M. FISHER AND SON WILL SELL, BY AUCTION, on Wednesday, the leth day of October, 1857, and following days, on the premises late in the occupation of Messra. Dunn, Hatteriery, and Co., the Windson Ridge Iromovers, Pendleton, Manchester (sale to commence such day punctually at Eleven o'clock in the forenoon), the valuable MACHINERY, TOOLS, STOCK, and UTENSILS, comprising DUNN'S PATENT RETORT HOH-PRESSURE STEAM, BOILER; vertical high-pressure sites to end the commence such day punctually at St. (1998) and the premise of the premise from the commence of the

ACKAMORE NEW MINING COMPANY (LIMITED).

So per share to be paid on alloment, the remainder by instalments of 10s. cach, as required.

So per share to be paid on alloment, the remainder by instalments of 10s. cach, as required.

So be Incorporated and Registered under the Joint-Stock Companies Act, 1856, and Hoggs v. GREGORY AND OTHERS.

HIGGS v. GREGORY AND OTHERS.

Three other directors and two anditors to be appointed by the shareholders at the first general meeting.

ORDERS, or DECREES, made in the above-mentioned Causes, and bearing date respectively the 3th day of August, 1857, a PUBLIC AUCTION will be HOLDEN.

FFICE.—6. QUEEN STREET PLACE UPPER THAMES STREET, LONDON. IRONMASTERS, AND OTHERS.

IRONMASTERS, AND OTHERS.

Instructions from Mr. Pigotic who has flushed his contract on the cand florion branches of the South Staffordshire Railway) to OFFER, BY FU AUCTION, at the railway stables, Bloxwich-bridge, within one mile of Wale Tuesday, October 6th, 187, FIFTY SUPERIOR YOUNG AND WELL-STAR POWERFUL DRAUGHT HORSES, with their gears; capital GREY BLOWNERFUL DRAUGHT HORSES, 181 hands.

Sale to commence at Eleven for Twelve o'clock, under the usual conditions. The autotoseer begs to call the attention of dealers and others to this importing enuine sale, as the bores are associaty young, and in excellent working conditions will be sold by the proprietor without reserve, he having no further use for the Also will be OFFERED, as a FUTURE SALE, shoot 300 toks of WEOUGHT. RAILS (40 lbs. to the yard), 300 EARTH WAGONS, CARTS, BARROWS, FLASTALES, SHEDS, &c., due notice of which sale will be given in a futurally meet.

stables are situate near the Mill, one mile from Walsall, on the Bid itable accommodation will be provided for any gratisman driving in.—Austioneer's offices, Bridge-street, Walsall.

BODMIN .- TO MINE AGENTS, BUILDERS, AND OTHERS MR. C. E. PEARSE, Auctioneer and Surveyor, Bodmin, William Sells, By Auction, on Thursday, the 8th October, 1857, at Two steel in the afternoon, on the Beacon, 2500 ft. of NORWAY and RED FINE Sile 250 ft. of RED BATTENS, all of superior quality and strength, the same being the property of Messrs. Evs and Son, contractors and builders of the Gilbert Menum.

BRIERLEY, STAPPORDSHIRE.—VALUABLE MINING PROPERTY.

THOMAS NOCK WILL LET, UPON LEASE (with american and authority of the Charity Commissioners for England and Waley AuCTION, at the Swan Hotel, in Wolverhampton, on Wednesday, the light of AuCTION, at the Swan Hotel, in Wolverhampton, on Wednesday, the light of Starters, in the parish of Redgier, in the county of Stafford, with the DWR ING HOUSES and BUILDINGS thereon ersoled, and now in the occupation of James Evans, containing, by a recent survey and admensurement, 17. 2. 2. 2. thereabouts, for the term of 21 years, at the yearly rent of \$51 as a surface rest, able balf-yearly during the said term; and also ALL the UNGOTTER MICCOAL, IRONSTONE, LIMESTONE, CLAY, and all other MINES and MINES (VINGONE).

the same, for the said term of 21 years.

The minerals under the said premises, with full power to get and dische same, for the said term of 21 years.

The minerals under the estate immediately adjoining to the above property now being extensively worked by Mr. H. B. Whitehouse and others, and are often rate quality.—Further foromation may be obtained from Messrs. Porrs and Gonz solicitors, Bridgnorth and Broseley.

PENZANCE, COENWALL.

IMPORTANT AND EXTENSIVE MANUFACTURING PREMISES,
Held at a ground rent; bounded by the sea wait; in the occupation of the Leniand Penzance Serpentine Company; also,
THE VALUABLE PLANT AND MACHINERY, THE STOCK IN TRADE,
AND THE LEASES OF SIX QUARRIES.

THE VALUABLE PLANT AND MACHINERY, THE STOCK IN TRADE AND THE LEASES OF SIX QUARRIES.

IR. BOYES has been instructed by the Official Liquidator (appoint by the Court of Chancery to wind-up the above company) to SELL, pure the court of Chancery to wind-up the above company) to SELL, instead of the 30th September, as previously advertised), at Twelve o'cloid, a above valuable PROPERTY.

The PERMISES are extensive, and have been built with stone during the last years in the most complete and substantial manner, at a cost of several thouse pounds. They contain a noble show room, factory, masons' and turners' shop, plashing, engine, and store-rooms, smithy, boller-house, large shed, yard, &t., ad estirable PLOT of SULIDING LAND, having a frontage of about 400 ft. The MACHINERY is of the best description, and in excellent working coulding and will be sold with the lease. It consists of two high-pressure stem-maps eleven turning lathes, expensive sawing frames, &c.

The purchaser of the lease and plant will have the option of taking the substemperature stone and Silician marble, consisting chiefly of chunnery-pices, at pance and tondon, or either, at a fair valuation. To any party desirous of eaking in this business, a most desirable opportunity is hereby offered; but the premise, incoment, offer nausual advantages for many other manufacturing purpose.

A plan and elevation may be seen at the auctioneer's offices. The premise, is, and stock may be viewed on application to Mr. Bandauxy, on the premises, he auctioned on the property of the Caropathy, Eng., official liquidator, 84, Basinghall-street; in in London; at the principal hotels at Plymouth and Truro; at Garraway's; interaction may be a seen as the auctioneer's offices, 33, Abchurch-lane, London.

PENSAX COURT ESTATE AND OTHER LANDS, in the Chapelry of Pensay, the parish of Stockton, in the county of Worcester, late the property of Osl. In. CLUTTON BROOK, and consisting of upwards of 550 acres of LAND, of good quilt, comprising a due proportion of ARABLE, MEADOW, and WOODLAND, of CHARDING, and HOF GROUNDS, together with the FAMILY RESIDEN, known as PENSAX COURT, the several FARM and OTHER HOUSE, at WATER CORN MILL, belonging to the said estates, with the GREAT UTILE of the CHAPPLEY of PENSAX, extending over 1000 acres of land or therebur, also, the valuable MINES of COAL and IRONSTONE, and OTHER MINESIA, remaining ungotten, within and under the Pensax Court estate, the mines shaps full working order.

full working order.

MESSRS. HOBBS are instructed to SELL, BY AUCTION, in & month of October, the above very valuable and well TIMBERED PROFILES, which are situated in one of the most beautiful parts of Worcesterskin, at the tarapike-road leading from Gleobury Mortimer to Worcesterskin, and within a sid distance of that leading from Tenbury to Worcester; is miles from Worcester, she seven from Bewdley, and within 2½ miles of the Abberiey Lime Works, saven is seven from Bewdley, and within 2½ miles of the Abberiey Lime Works, saven as even from Bewdley, and within 2½ miles of the Abberiey Lime Works, saven as an be obtained from Messars, Parkas, Goldonsman, and Parkas, colicitors, to caster; Messrs, Parkas, Goldonsman, and Parkas, colicitors, to caster; Messrs, Parkas, Goldons, in News-quare, Lincoin's Inn, Lesis Messrs, Galerin and Blozam, Bennstt's-hill, Birmingham; Messrs, Bastina Higgary, solicitors, Chester; Messrs, Wars and Buck, surveyors, and the stioneers, both of Worcester.

EST SORTRIDGE CONSOLS.—FOR SALE, BY PRIVIN CONTRACT, the above MINE, in the parish of Whitehurch, Drvo, up ther with ALL the MACHINERY and MATERIALS thereon, comprising a Wattber with ALL the indiameter and 7 ft. breast; first-class 8.beaded stamps; balasses—with travelling-bot; shaft-bot; line offlat-rods (about 35 fms.) of § in. erown iros, it pulleys, complete; piece of 6 in. main rod; 200 fms. tram iros, 2% by %; 3 bills whim-rope; 14 fms. %, chain; 2 whim-kibbles; 7 spans simps infers; wood had dee, about 7 or 8 cwts. of cast-steel borers; about 3% cwts. of powder; and sufficiently of the second privilege of the stamps infers; wood had dee, about 7 or 8 cwts. of cast-steel borers; about 3% cwts. of powder; and sufficiently of the second privilege for the s

tarns, and is in the immediate segmontrood of North wheat south, all age returns.

The present adventurers have expended a considerable sum in laying open thicks and several hundred pounds worth of tin ore have been sold, but a number of a shareholders not paying their calls obliges the company to offer this promisity mawith the machine, &c. Many of the present shareholders have been desined of laying a new company, as they believe that with a small additional expenditure a portant discoveries will be made.

Every information, orders to inspect, and catalogues, may be obtained of J. H. Michaelov, 1917. Bishopsgate-street-within, London.

CLAMORGANSHIRE COLLIERY FOR SALE FOR SALE

LAMORGANSHIRE.—COLLIERY FOR SALE.—FOR SALE

BY PRIVATE CONTRACT, an unexpired term of about 45 years, of sail
that important COLLIERY, and the MACHINERY and PLANT thereum
longing, known as the HAFOD COLLIERT, and situate in the Rhondas valingle
the parish of Liauwono, in the county of Giasorgan. This colliery produces
well adapted for domestic and manufacturing purposes, and a coking coal of these
quality. It is in direct communication with the Port of Cardiff, by the Tall
Railway, and with all the important ironworks and manufactories in the direct
which are in communication with that railway. It is distant from the Port of Card
sixteen miles, and from the town of Pout-y-pridd about three miles.—For furse
particulars, and to treat, apply to Mr. Sanuzz Donson, mining engineer, Indian
John Pout-y-pridd.

OREST OF DEAN, GLOUCESTERSHIRE.—TO BE SOLI, furnaces and collieries. These works have been recently crected, are in good cash which would be taken by the immediate neighbourhood. They might be convenient taken readily in Birmisgham alone, as the quality of Forest from is in great duminant there is only one other manufacturer of sheets in the district. These world be sold a bargain, and shaff the purchase money may remain secured by the world be sold a bargain, and half the purchase money may remain secured by the world apply, for farther particulars, to Roserr Walderson, Newport, Monmonthaling,

CLEVELAND IRON MINES.—Capitalists realise 30 to 50 per on per annum by ameliang the Cleveland ironstone; three blast furnasts if engine, &c., coet 250,000 to 252,000. A most ELIGIBLE ROYALTY of Extending the coet 250,000 to 252,000. A most ELIGIBLE ROYALTY of Extending the coet 250,000 to 252,000. A most ELIGIBLE ROYALTY of Extending to the contiguous to a railway. To BE LET, for a term of years. Private individuals company will be liberally treated with (in either case the advertiser is willing in a proprietor in the undertaking).—Apply, by letter, to Mr. Paos, arregue, recoffice, Gisbro', Yorkshire. N.B.—This ore is equal in quality to that now were by Mesura. Baringa, at their Gisbro' Mines.

by Mesers. Baringa, as their Gishro' Mines.

ALE OF VALUABLE ROCK BORING MACHINERT.

Her Majesty's Principal Secretary of State for War hereby gives notice, in
TWO 88TS of PENRICE'S PATENT HOCK BORING MACHINERY, with MinTITUBULAR STEAM BOILERS, and DONKEY FEED FUMPS, WILL BE SOIL
BY PUBLIC AUCTION. This meahinery was made for the purpose of borings to
ne'l under Sebastopol, but the war having terminated before the apparatus was
pleted, it has not been used.

This machinery is now lying in the Yard of the Small Arms Deparatus was
pleted, it has not been used.

Tower, Baggott-street, Birmingham, and may be viewed on any day between
hours of Elevan and One, and on the morning previous to the sale, which will all
place on Monday, the 12th day of October, 1857, at Twelve o'clock.

Foll particulars and conditions of sale may be obtained on application to Quied
Gondow, Royal Engineers, Commanding at Birmingham, Josak Auskasof, 54
(firstow, the auctioneers, Bennett's-bill, Birmingham, Josak Auskasof, 54
(firstow, the auctioneers, Bennett's-bill, Birmingham,
Commanding Royal Engineers' Office, War Department,
Birmingham, Sept. 25, 1857.

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PREVENT SMOKE AND INCREASE S
PATENT REGULATING AIR-DOOR, for MARINE and S'
RAM-BOILERS, and for LOCOMOTIVE and OTHER FURNACES INCREASE STEAM.-

RAM. BOILERS, and for LOCOMOTIVE and OTHER FURNACES.

COMPTICARY FROM SHA ANYHORY ROTHERHICH.

London, July 25, 1857.—The action of your Regulating Air-Doors at the Royal Mint pold and Silver Rednery is very satisfactory as regards the smoke. They also get up to the state of the state of the smoke and they after the same as the work may remain a training or lowering the heat in the sennery furnaces as the work may remain. Your invention, in fast, deserves every encouragement and recommendation.

The Servers, Esp., 1, Fish-street-hill. Signed, A. BOTHSCHILD.

Signed, A. BOTHSC

OVERLAND ROUTE.—STEAM TO INDIA AND CHINA, &c.,
THE OFFIT.—The PENINSULAR AND ORIENTAL STEAM NAVIGATION
OMPANY BOOK PASSENGERS and RECEIVE GOODS and PARCELS for the
REDITERRANSAN, EGYPT, ADEN, BOMBAY, CEYLON, MADRAS, CALTOUTA, the STRAITS, and CHINA, by their steamers leaving isouthampton on the
ch and 30th of every month.
For further particulars, apply at the company's offices, No. 122, Leadenhall-street,
leaden; and Oriental-place, Southampton.

(HEMICAL LABORATORY AND ASSAY OFFICE,
1, OXFORD COURT, CANNON STREET, LONDON, E.C.
1, OXFORD COURT, CANNON STRE

A 8 8 A Y OF FICE AND LABORATORIES,

A BUNNING'S ALLEY, BISHOPSGATE STREET WITHOUT, LONDON,
redseled by Joan Misromelle, F.C.S., Author of "Manual of Practical Assaying,"

Metallurgical Papers, &c.

Assays and Analysis. Consultations in every branch of Metallurgical and Madistanting Chemistry. Assistance rendered to intending Patentees, &c.

For amount of fees, apply to the office, as above.

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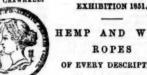
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1024 Devon Great Consols (cop), Tarist.* [S.E.] 1 460 460 470 587 0 0 9 0 0 5 pt. 24, 1857. 672 Ding Dong (tin), Gulvait 33 25 20 224 15 7 6 1 10 6 Mar. 2, 1857. 179 Dolgoath (copper, tin), Camborne* 237 3 310 310 320 835 0 0 8 0 6 Mar. 2, 1857.	5000 Gallt-y-Frith-Rhedyn (Limited) 5	0000 South Wheal Wrey
Samouth (lead), Cardiganshire' 32 100 100 30 0 0 3 0 0 - Aug. 27, 1857.	4000 Great Dowgas 4% 3 2 3 15000 Great Hewas United (tin) £1 17 1 1 13864 Great Onelow Con., Camelford . 1 1 1 1 1 1 1 1 1 1 1 1 1 1 5 8 % 1 1 1 1 5 8 % 1 .	1000 Tolenbury College 1000 1014 1
9910. Fowey Consols (copper), Tywardreath 4 7 41 4 3 0 6 0 - Feb. 17, 1897. 4448 General Mining Co. for Ireland (cop., lead). 3½ 2½ 2½ 10 8 0 3 3-June 5, 1854. 2000 Goginan (allver-lead). Cardiganshire 7½ - 2½ 22 0 0 5 5 - Sept. 5, 1850. 1024 Gonamena (copper). St. Cleer 133 15 10 12 0 7 6 0 7 6 - Dec. 21, 1852. 243 Grambler and St. Aubyn (copper) 109½ 90 88 85 4 0 0 2 0 0 - July 7, 1857. 8000 Great South Toigus [S.E.] 2½ 16½ 17 0 16 6 0 10 0 - Aug. 20, 1857. 26666 Great Wheat Vor (tin, cop.), Heiston (S.E.) 7% 3½ 2½ 2½ 0 5 5 0 5 0 - June 20, 1855. 1193 Great Work (tin), Germoe 100 140 221 10 0 7 10 0 - Feb. 27, 1857.	5120 Great Wheal Baddern (tin) £3 10 6 \$\frac{3}{2}\$ \$\frac{3}{2}	5600 Trevenen & Tremencere Un. 25 10 5.1 6000 Trevone Consols, Padstow 2s. 24 11 1624 Trevoole, Crowan, Cornwall 10 10 10 81 6400 Trevane United (aliver-lead) 11 13 11 6400 Tyne-Head (cilver-lead) 1 1 13 11 6400 Tyne-Worlodd (alate), Carna 5 14 6400 Tyn-y-berth (alate), Talyllyn 1 16 11
6000 Hingston Down Consols (copper), Calstock. 3% 5% 6 % 2 18 0 0 2 6-Nov. 25, 1856, 2008 Holyford (copper), near Tipperary 11 8% 4 2 6 0 5 0-Jan. 28, 1857. 2500 Isle of Man (Limited)** 25 42 54 17 3 1 0 0-Sept. 3, 1857.	100 Herward United (iead), Flint 60 55 55 55 5000 Holmbush (id., cop.), Callington 44 2 13 23 23 5000 Kelkworthy Bridge (copper) 3 4 3 5000 Kelly Bray (id., cop.), Callington 35 13 1	6000 Virtuous Lady and Wh. Bedford 5.55 United Mises, Tavistock 1.505 United Mises, Tavistock 1.505 United Mises 5.75 2.21, 960 W. endron United Mises 5.11 4.2 2.1024 West Aifred (cop.), Phillack. 533 7 7.83 4.505 United Mises 6.55 4.55 4.55 4.55 4.55 4.55 4.55 4.55
70 Jamaica (lead), Mold, Flintshire	1024 Leeds & St. Aubyn (tin, cop.) £12 15 3 34 4 4 4 4 1024 Lelant Consols (tin) 26 2 24 4474 Lambest Consols (aliver-lead) 18 4 5 6 2 34 12000 Llandudno (copper) 15 4 4 1 1024 Mill Pool (tin, cop.), St. Hilary £13 16 6 2 2 3 2 2 2 2 2 2 2 3 2 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 3 2 3	6400 West Fowey Com-ls (tin, cop.), 7 9% 93 200 West Nant-y-Mwyn, 'lead) 2% 38 38000 West Par Con, (cop.), 85. Blazey 1 4 4 4 4 6000 West Polberro, 8t. Agnes. 22 10. 2 5 1036 West Stray Park, Camborne 2 5 5 1036 West Stray Park, Camborne 50 32 10. 2 5 104 West Stray Park, Camborne 50 32 10. 2 5 1050 West Stray Park, Camborne 50 32 10. 2 5 1050 West Stray Park, Camborne 50 32 10. 2 5 1050 West Stray Park, Camborne 50 32 10. 3 5 1050 West Stray Park, Camborne 50 32 10.
10 10 10 10 10 10 10 10	10000 Molia (tead), Limited 10000 Moliand (cop.), South Moulton, Sl 3 3 4 5 4207 Mount's Bay Consols, Marasion 44 4 3 4 64 Nant-ar-Nelle, Liandovery 81 90 1500 Nant-y-Car (cop.), nr. Rhyader \$4 7 6 66 64 320 Nent Force, Alston 1 14 6400 New Crow Hill (tead) 1 1 14 14	512 West Wheal Frances, Illogan. 40 % 17 174 (10000 West Wheal Jane 22 9 3
500 Peak United (lead), North Derbyshire 7½ 2½ 2 ½ 4 10 0 0 10 0 - Apr. 12, 1856. 200 Phomnix (copper, tin), Linkinghorne 100 370 324 10 0 20 0 - May 4, 1857. 1000 Polberro (tin), St. Agnes (Preferential) 15 - 18 11 9 1 6 3-7uly 11, 1857. 660 Providence Mines (tin), Uny Lelant+ 201. 13s. 2d. 80 80 90 xd 66 4 6 4 0 0 - Aug. 19, 1857. 2500 Rhowwydol and Bachelddon (lead) 11 ½ 12 12½ 12½ 0 10 0 0 3 0 - Aug. 19, 1857.	2400 New Macono Siate and Siao Co. 10 \$000 New Treleigh Consols, Redruth 14 4000 New Wh. Vor and E. Wh. Mesial 14 1024 North Buller (cop.), Redruth 12 1024 North Ding Dong (tin), Madron 1 1000 North Downs (cop.), Redruth 43 22 24 25 North Fowey (copper) 43 27	512 Wheal Clinton (lead) 12 15 1034 Wheal Constance (silver-lead) 4 4 4 4 4096 Wheal Crebor (cop.), Tavistock 24 3 4 12 3 4100 Wheal Capid (copper), Redruth 34 3 28 3 4096 Wheal Edward, Calstock [8. E.] 5 9 4 9 4 1 6000 Wheal Elian (cop.), Whitehureh
12 12 12 12 13 14 15 15 15 15 15 15 15	1000 East Ket Hill (in) 197 Lel. 1	14 S. Condurrow (tin, cop.), Camb. 11s.6d. 1 1 1 2 2 2 2 2 2 2
280 Spearne Moor (copper), St. Justr 234. 7s. 5d 15 4 5 0 0 10 0 - June 13, 1836. 2 970 St. Aubyn and Grylls (cop, tin), Breage 6J. 8s. 4d. 5 4 4½ 0 17 6 0 7 6 - April 1, 1852. 2 0000 St. Day United (tin and copper) 2 1 1½ 1½ 1½ 0 2 6 0 1 0 - Sept. 14, 1857. 94 St. Ives Consols (tin), St. Ives 80 150 159 160 910 0 7 0 0 - May 19, 1857. 9600 Tamar Consols (sillead), Beeralston [S.E.] 4½ 1½ 1½ 4 13 6 0 2 6 - Feb. 7, 1856. 6000, Tincroft (copper, tin), Pool, Illogan [S.E.] 9 4 4 4½ 8 3 6 0 5 0 - April 13, 1837. 2048 Trehane (silver-lead), Menheniot	1024 North Wheal Busy	1 1 2 3 3 3 3 3 3 3 3 3
572 Tretyon Consols (tin), St. Ives 11½ 20½ 13 14 115 1 0 -Feb. 21, 1854. 96. Tresavean (copper), Gwennap, Cornwall 42½ 65 55 65 4677 15 0 5 0 0-June 4, 1855. 129 Tretbellan (copper), Gwennap, Cornwall 13½ 20 18 20 403 13 6 2 10 0-Apr. 29, 1851. 4000 Tretoll (copper, tin), Bodmis 12s. 3 3 0 5 0 0 5 0-July 8, 1856. 4006 Treweth's (allver-lead), Menheniot, Cornwall 2½ 1½ 11½ 112 0 3 0-April 2, 1857, 100 Trumpet Consols (tin), near Helston 95 50 50 55 0 0 5 0 0-Dec. 20, 1854.	1600 Old Tincroft (tin), Lelant 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6000 Wheal Lopes (copper), Devoe. 168. 2 1024 Wheal Margery (tia and copper) 11 1 12 13 15 12 10 8 12 10 8 12 10 8 12 10 8 12 10 8 12 10 8 12 10 8 12 10 8 12 10 8 12 10 8 12 10 8 12 10 8 12 10 8 10 10 10 10 10 10 10 10 10 10 10 10 10
2000) Vale of Towy (lead), Carmarthen [5.E.] % % % % % 0 3 9 0 0 6—June 12, 1857. 512 Wendron Consols (tin), Wendron	36529 Pembroke & East Crimis (cop.) £1 6.6.	4000 Wheal Russell (cop.), Tavistoca 2 5 6 3 1024 Wheal Bidney, Plympton. 7 5 6 4 1006 Wheal Tellack, 6t. Agmes 4 5 6000 Wheal Tellack, 6t. Agmes 2 5 2 3 3 1024 Wheal Thomas, Perran Forth. 2 4 3 4 4 1000 Wheal Trechy. 3 4 5 112 Wheal Trefusis (cop.), Gwenn. 21 5 5 5 112 Wheal Trefusis (cop.), Gwenn. 21 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
400 West Wheal Seton (copper), Camborne* 381/5 340 340 350 85 10 0 8 0 0 -Aug. 11, 1857. 1228 Wheal Arthur (copper), Calstock 8 3/5 5 610 0 010 -Oct. 25, 1855. 240 Wheal Bai (tin), St. Just 6 5 2 0 0 1 0 0 -Nov. 14, 1857. 112 Wheal Basset (copper), Rights [S.E.] 5 3/4 220 463 10 0 8 0 0 -Aug. 4, 1857. 256 Wheal Buller (copper), Redruth* [S.E.] 5 310 290 310 842 10 0 7 10 0 -Sept. 15, 1857. 250 Wheal Charlotte, Perranthpoc 3/4 4 5 110 0 0 10 0 -Sept. 9, 1855. 250 Wheal Clifford (copper), Gwennap 450 250 339 0 0 6 0 0 -May 56, 1857.	100 Peatrs Lygan	3102 Wh. Unity (cop., tin), Gwinear 53 19 24 34 1034 Wheal Uny (tin, cop.), Redruth 523 12 34 34 1034 Wheal Venton (sitv-lead), Lisk. 64 3 1034 Wheal Wagstaff, St. Erth 4 3 4008 Wh. Zion (cop., lead), Calatoch 53 11 6 1 6000 Whitchurch Consols 4 4 5000 Willow Bank (lead), Limited 21s 4 5000 Willow Bank (lead), Limited 21s 5 5000 Willow Bank (lead)
5000 Wheal Fortescue, Bodmin	*.* Those mines with (S.E.) appended hav Rining Companies Sararpura Non. cap. Share. Bus.done. Acadian Charcoal Iron (6l. paid)	ted mith Timited Tinbility.
2000 Vale of Towy (lead), Carmarthen (S.E.) % % % % % 0 3 9 0° 0 6 - June 12, 1857.	Ballymoneen Copper 2000 2	Liwynmalees Mining
FOREIGN MINES.	Bute Merthyr Steam Coal 50000 20	Merryfield Mining 30066 1
5000 Alten Mining Company (copper), Norway. £14\% 2 2 4 5 0 0 15 0—Nov.21, 1853, 2484 Burra Burra (copper), South Australia. 5 114 115 xd 185 0 0 5 0 0—June 5, 1857. 12000 Cobre Copper Company (cop.), Cuba [S.E.] 40 47 46 48 85 12 0 1 0 0—June 5, 1857. 10000 Coplapo Mining Company, Chili (S.E.]. 16 12 10 12 5 8 0 0 10 0—May 9, 1856, 15000 Linares (lead), Pozo Aneho, Spain [S.E.]. 20 15 16\% 17 9 10 0 0 10 0—June 26, 1855, 15000 Linares (lead), Pozo Aneho, Spain [S.E.]. 3 8 8 8 4 5 6 0 5 0—June 25, 1857, 10000 Lusitanian (of Portugal) [S.E.]. 1\% 1\% 1 1 \% 1 0 4 8 0 1 9—Sept. 3, 1856, 103815 Mariquita and New Granada [S.E.]. 1\% 1\% 1 1\% 4 0 3 0 0 1 0—June 29, 1855, 12300 Peninsular Mining Company (Limited). 4 6 0 2 6—Sept. 29, 1855, 10000 Pontgibaud (aliver-lead), France [S.E.]. 20 7 5 7 1 0 0 1 0—June 26, 1855, 7000 Royal Santiago (copper), Cuba [S.E.]. 16\% 2\% 1 \% 2\% 3 0 0 0 1 5 0—June 25, 1856, 43174 United Mexican (aliver), Mexico [S.E.]. 15 12 11\% 12 34 7 6 1 0 0—Nov. 25, 1856, 43174 United Mexican (aliver), Mexico [S.E.]. 10 2 1 6 15 0 0 7 5—Dec. 12, 1858.	Cardigan South Bog Mining 6006 1 Castel Lead Mining 5000 1 Central Italian Copper 30000 2 Cheesewing Granite 5000 230 Chirk Castle 1600 230 Clara Silver-Lead (21. 3s. 6d. paid) 8000 4 Clew Bay 12596 10 Cod Mawr Fool 20000 5 College Mines, Ireland (2s. paid) 3000 8s. 5s. 6s. Copiapo Smelting 500000 10 Cornwall Great Consolidated Lead, &c. 24000 2 Cwmdyle Copper 2000 50	Oola 5000 41 10 1½ Oeom's Hill 20000 .5 Paragon and Spero Coal 20000 10 Park Hill 6800 .100 Patent Gold Washing 2000 .100 Pene-wRhiew Colliery 18600 .50 Pene-wRhiew Colliery 25000 10
25000 Peninisular Mining Company (Limited) \$\frac{\pi}{\pi}\$	College Mines, Ireland (2s. paid)	Parson and Spero Coal. 20000 10
NON-DIVIDEND FOREIGN MINES.	East Indian Coal	Rotberham and Mashoro Coal. 60000 25 Ruahon Gool Company 10000 16 Ruardean Colliery (5s. paid) 15000 1 St. Helen Alkali 35000 6 Severn Mines 5 5 Shroppshire Black wood 1000 5 34 Smitt Pogl Lead (5d. 2e. paid) 8450 26 10 36 South B. Lead (5d. 2e. paid) 8450 26 10 36 South West of Ireland Mining 15000 52 10 10 10
20000 Australian [S.E.] 7	Great Northern Mining 12000 1	South-West of Ireland Mining 15000\$2 10. Staffordsbire Iron Ore. 6000\$100 Stoney Way 1000\$1 Stragdale 7000\$1 Tassan Mining 20000\$1 Talargoch Mining 44000\$0 Talisan Silver-Lead 25000\$ Vistoria Foundry 50000\$0 Wajsh Potosi Lead and Copper 10000\$0 Wajsh Potosi Lead and Copper 1500\$0
PROGRESSIVE MINES. Poid. Last Price. Present. Shares. Poid. Last Price. Present. 2550 Carmarthen United (lead)	Little Down and Ebber Rocks	Victoria Foundry
PROGRESSIVE MINES. Shares. Sha	Gransactions on the	shares. MISCELLANEOUS. Clos. Fr. Bas. De Shares.
250 Berriow Consols	23500 Australasia	10000 Eastern Steam 100 103 104 107
250 Berriow Consols	20000 Provincial of Ireland	190000 Scottish Australian Invest. 1 118 ly call upon all who have the power, to aid us, by forwarding to under their notice. Reports from mines—in fact, mining in ready attention.
918 Cargoli (effver-lead), Newlyn £12 7 8 15 10 12 6146 East Caradon (copper), Redruth 15 15 15	London: Printed by RIGHARD MISDLETON, and published by H STREET, where all communications are re	quested to be addressed.—October 3, 1887.